BLACKHAWK WRENCHES

BOX TYPE - OPEN END

and the New
SOCKET & HANDLE TYPE
with the exclusive
THUMB-RELEASE LOCK-ON
Feature

BLACKHAWK MFG. CO.
MILWAUKEE WIS.

CATALOG ··· NO. 236
MARCH ··· 1936

BLACKHAWK WRENCHES

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Numerical Price List and Index

No.	List Price	Page	Units in Carton	Weight Lbs.	Weight Oz.
SETS AND DISPLAYS					
OK10	$6.05	22	1	4	12
OK20	14.30	22	1	13	10
OK30	20.50	23	1	18	4
OK40	27.10	23	1	21	6
11ND	7.60	18	1	1	4
12ED	71.20	20	1	24	¾
12PD	13.60	19	1	7	
12SD	22.75	20	1	25	½
13PD	10.95	19	1	5	¾
14BD	33.25	20	1	24	4
14Z	6.30	26	1	3	2
15TD	16.45	19	1	7	¼
16ND	10.00	18	1	1	8
16QD	21.60	18	1	8	
17TD	16.70	19	1	8	11
18CB	5.90	38	1		9
18LR	6.60	38	1		12
20CB	2.40	38	1		8
20LR	2.80	38	1		8
22CB	4.70	37	1	2	
22LR	5.40	37	1	2	8
26CB	6.40	36	1	3	5
26LR	7.25	36	1	3	11
30CD	36.55	17	1	27	12
35CB	13.55	35	1	2	½
35LR	15.05	35	1	3	
37CB	31.15	35	1	9	
37S	33.90	35	1	15	
40CB	73.00	17	1	51	½
43A	17.10	39	1	13	8
45CB	64.10	17	1	38	½
60B	44.60	39	1	55	
70A	71.80	39	1	75	
70RD	99.30	14	1	86	
70WD	108.40	14	1	125	
87WD	135.33	15	1	138	
105WD	168.35	16	1		
CASES					
CA	4.50	17	1	10	12
CB	8.50	17	1	19	8
E	9.00	20	1	14	12
N	1.00	18	1		8
P	1.35	19	1	1	12
Q	3.10	18	1	4	2
R	16.00	14	1	46	8
T	1.75	19	1	2	8
W	30.00	15	1	89	
LOOSE WRENCHES					
D12	.30	26	10		2
D14	.35	26	10		2
D16	.35	26	10		3
D18	.40	26	10		3
D19	.40	26	10		3
D20	.40	26	10		3
D21	.45	26	10		3
D22	.45	26	10		3
D24	.45	26	10		4
D25	.45	26	10		4
D26	.45	26	10		5
D28	.45	26	5		6
D30	.55	26	5		6
D31	.55	26	5		7
D32	.55	26	5		7
D34	.60	26	5		8
D36	.65	26	5		8
D40	.70	26	5		9
*D028XN	2.00	11	5		9
*D032XN	2.25	11	5		14
*D034XN	2.50	11	5	1	
*D040XN	3.00	11	5	1	4
*D046XN	3.50	11	5	1	7
*D052XN	4.00	11	5	2	
*D28XN	.90	11	5		8
*D30XN	.90	11	5		8
*D31XN	.90	11	5		8
*D32XN	.90	11	5		8
*D34XN	1.15	11	5		9
*D36XN	1.15	11	5		12
*D38XN	1.15	11	5		12
*D40XN	1.30	11	5		14
*D42XN	1.30	11	5	1	
*D44XN	1.30	11	5	1	1
*D46XN	1.55	11	5	1	1
*D48XN	1.55	11	5	1	4
*D50XN	1.80	11	5	1	5
*D52XN	1.80	11	5	1	7
*D54XN	2.25	11	5	1	8
*D56XN	2.25	11	5	1	10
*D58XN	2.50	11	5	1	12
*D60XN	2.50	11	5	1	14
*D64XN	3.00	11	5	2	2
*D34XX	1.60	11	5	1	6
*D36XX	1.60	11	5	1	6
*D40XX	1.70	11	5	1	6
*D42XX	1.70	11	5	1	7
*D44XX	1.70	11	5	1	8
*D46XX	1.85	11	5	1	9
*D48XX	2.25	11	5	1	15
*D50XX	2.25	11	5	1	15
*D52XX	2.50	11	5	1	15
*D54XX	3.00	11	5	2	6
*D56XX	3.00	11	5	2	6
*D58XX	3.50	11	5	2	7
*D60XX	3.50	11	5	2	9
*D62XX	4.00	11	5	2	14
*D64XX	4.00	11	5	2	12
*D66XX	4.50	11	5	3	4
*D68XX	4.75	11	5	3	10
*D70XX	5.25	11	5	3	8
*D72XX	5.50	11	5	3	14
*D74XX	6.00	11	5	3	12
*D76XX	6.25	11	5	4	5
*D78XX	7.50	11	5	4	5
*D80XX	8.75	11	5	5	1
*D82XX	10.00	11	5	5	1
*D84XX	11.25	11	5	5	9
*D86XX	12.50	11	5	6	2
*D88XX	13.75	11	5	6	12
E-2	.45	38	5		¼
E-3	.45	38	5		¼
E-4	.45	38	5		¼
E-5	.45	38	5		¼
E-6	.75	38	5		¼
E-7	.60	38	5		¼
E-8	.60	38	5		¼
E-9	.60	38	5		¼
E-10	.60	38	5		½
E-11	.95	38	5		½
H-1	1.60	13	5		1
H-10	.45	38	5		¼
H-12	.45	38	5		¼
H-14	.50	38	5		¼
H-16	.50	38	5		1
H-18	.50	38	5		1
*T013X	1.20	25	5		4
T013XX	1.40	25	5		7
T1	.50	25	5		3
T2	1.65	25	5		6
*T2XN	6.25	12	5	1	3
T4	1.00	24	5	1	2
*T4XN	3.00	7	5	3	4
*T4XX	2.25	9	5	5	2
T5	.75	25	5	1	3
T6	.85	25	5	1	6
T7	.90	25	5		8
T7X	.90	25	5		8
*T8XN	2.50	9	5	1	8
*T8XX	5.00	9	5	3	
T9	.85	25	5		8
T9N	1.25	12	5		8
*T9XN	1.10	12	5		7
T9XX	2.00	12	5		10
T10	1.00	25	5	1	
T13	.35	25	5		2
T13X	.70	25	5		5
*T17XN	3.00	9	5	2	12
*T17XX	6.00	9	5	5	
*T40XX	3.00	9	5	1	10
T90	2.00	12	5	1	
*T113XN	1.00	6	5		4
T113XX	1.00	6	5		7
T114	2.25	24	5	1	4
T115	.35	24	5		5
012	.35	26	10		3
014	.35	26	10		3
016	.35	26	10		4
018	.40	26	10		4
019	.40	26	10		4
020	.45	26	10		5
022	.50	26	10		6
024	.50	26	10		7
025	.50	26	10		8
026	.50	26	5		8
028	.50	26	5		9
030	.60	26	5		10
032	.60	26	5		10
034	.70	26	5		10
040	.75	26	5		14
*034XX	1.70	11	1	1	8
*036XX	2.00	11	1	1	10
*038XX	2.50	11	1	1	10
*040XX	3.00	11	1	1	10
*044XX	4.00	11	1	2	1
*046XX	4.50	11	1	2	6
*050XX	5.00	11	1	2	14
*052XX	5.50	11	1	2	14
*058XX	6.25	11	1	4	2
*064XX	7.00	11	1	4	14

(*) All Starred Items Will Be Discontinued—DO NOT RE-ORDER—(Continued on Next Page).

No.	List Price	Page	Units in Carton	Weight Lbs.	Weight Oz.
110X	1.00	24	5	1	7
150	1.25	34	6	1	12
151	3.75	34	5	1	10
152	2.00	34	5		13
400CB	4.20	37	1	1	12
400LR	4.90	37	1	1	12
401	.65	37	10		2
401A	.65	37	10		2
402	.65	37	10		3
402A	.65	37	10		3
402B	.65	37	10		3
402C	.65	37	10		3
403	.65	37	10		3½
403A	.65	37	10		3½
404	.70	37	10		4½
404A	.70	37	10		4½
404B	.70	37	10		4
404C	.70	37	10		4
405	.70	37	10		4½
406	.75	37	5		5½
406A	.75	37	5		5½
406B	.75	37	5		5½
406C	.75	37	5		6
407	.75	37	5		5½
407A	.75	37	5		5½
408	.90	37	5		7½
408A	.90	37	5		7
409	.90	37	5		7
412	.35	33	5		2
412CB	5.40	37	1	2	3
412LR	6.20	37	1	2	3
414	.45	34	5		2
420	.65	37	10		2½
422	.70	37	10		2½
424	.75	37	10		4
426	.90	37	5		6
500	1.30	24	5	1	10
508	1.40	24	5	2	3
516	.90	30	5	1	12
518	.90	30	5	1	12
520	.90	30	5	1	12
524	.90	30	5	1	12
616	.95	30	5	1	10
618	.95	30	5	1	11
620	.95	30	5	1	13
622	.95	30	5	1	13
624	.95	30	5	1	13
626	.95	30	5	1	14
628	.95	30	5	2	
710	.35	26	5		3
712	.35	26	5		3
714	.35	26	5		4
716	.35	26	5		4
718	.35	26	5		4
720	.35	26	5		4
724	.35	26	5		5
911X	2.75	25	5	1	8
*916N	9.00	6	5	3	4
*920	15.00	6	5	6	10
1020	.45	36	10		½
1021	.50	36	10		2½
1022	.60	36	10		3
1023	.60	36	10		3
1024	.70	36	10		4
1025	.70	36	10		4
1026	.85	36	10		5
1027	.85	36	10		5
1027C	.85	36	10		5
1028	1.05	36	10		6½
1028S	1.05	36	10		7
1029	1.05	36	10		6½
1030	1.05	36	10		6
1031	1.40	36	5		13
1032	1.40	36	5		13
1033	1.40	36	5		13
1033A	1.40	36	5		13
1033C	1.90	36	5	1	3
1034	1.90	36	5	1	2½
1034BR	5.00	35	5	2	2
1035	1.90	36	5	1	2
1036	2.65	36	5	1	12
1037	2.65	36	5	1	12
1075	.80	38	10		2½
1075A	.80	38	10		2½
1075B	.80	38	10		2½
1077	1.00	38	10		4½
1077B	1.00	38	5		4½
1077S	1.00	38	5		5
1079	1.20	38	5		6½
1079A	1.20	38	5		7
1079B	1.20	38	5		7
1079C	1.20	38	5		7
1079S	1.20	38	5		7
1081	1.50	38	5		11
1081A	1.50	38	5		11
1081B	1.50	38	5		11
1083	1.95	38	5	1	1
1083A	1.95	38	5	1	1
1083B	1.95	38	5	1	1
1085	2.75	38	5	1	12
1085B	2.75	38	5	1	10
1085C	2.75	38	5	1	10
1114	.45	31	5		9
1116	.45	31	5		9
1118	.45	31	5		10
1120	.45	31	5		12
1122	.45	31	5		12
1124	.45	31	5		13
1125	.45	31	5		13
1128	.45	31	5		13
1214	.65	30	5		14
1216	.65	30	5		14
1218	.65	30	5	1	5
1220	.65	30	5	1	5
1224	1.35	38	10		4½
1224A	1.35	38	10		4½
1224L	.65	30	5	1	7
1226	1.35	38	10		5
1228	1.35	38	10		4½
1230	1.35	38	10		4½
1232	1.35	38	10		5
1232A	1.35	38	10		4½
1234	1.35	38	10		5
1236S	1.35	38	10		5
1238	1.35	38	10		4
1240	1.35	38	10		5
1244	1.50	38	5		9
1246	1.50	38	5		8½
1248	1.50	38	5		8½
1250	1.50	38	5		8½
1252	1.50	38	5		8½
1256	1.85	38	5		8
1318	.45	31	5		6
1416	.60	31	5		8
1502	1.75	12	5		1
1506	.40	10	5		½
1507	.40	10	5		½
1508	.40	10	5		½
1509	.40	10	5		½
1510	.40	10	5		½
1511	.40	10	5		½
1512	.40	10	5		½
1514	.40	10	5		½
1521	1.25	7	5		2
1523	1.50	13	5		4
1525	.90	9	5		1½
1530	.40	7	5		1
1553	.40	10	5		½
1554	.40	10	5		½
1555	.40	10	5		½
1556	.50	10	5		½
1557	.50	10	5		1
1558	.50	10	5		1
1618	.60	31	5		11
1721	.50	36	10		2
1722	.50	36	10		2
1723	.50	36	10		2
1723A	.60	36	10		3
1725	.70	36	10		4
1725A	.70	36	10		4
1725B	.70	36	10		4
1726	.85	36	10		5
1727	.85	36	10		5½
1728	1.05	36	10		7
1729	1.05	36	10		7
1731	1.40	36	5		14
1731A	1.40	36	5		14
1731B	1.40	36	5		13
1731BR	3.75	35	5	1	4
1733	1.90	36	5	1	3
1734	1.90	36	5	1	3
1735	2.65	36	5	1	14
1735BR	5.00	35	5	2	2
1736	2.65	36	5	1	12
1737	2.65	36	5	1	11
1820	.60	31	5		14
2005CB	4.50	36	1	1	15
2005LR	5.30	36	1	2	
2018	.80	21	5		4
2021	.50	36	10		1½
2022	.60	36	10		2
2023	.60	36	10		2
2024	.70	36	10		3
2025	.70	36	10		3
2026	.85	36	10		5
2027	.85	36	10		5
2027C	.85	36	10		5
2028	1.05	36	5		7
2028S	1.05	36	5		6
2029	1.05	36	5		7
2030	1.05	36	5		7
2031	1.40	36	5		12
2032	1.40	36	5		12
2033	1.40	36	5		12
2033A	1.40	36	5		12
2103	1.25	35	5		12
2214	.65	30	5		15
2216	.65	30	5		15
2218	.65	30	5	1	4
2220	.65	30	5	1	4
2224	.65	30	5	1	10
2304	2.90	21	1	1	2
2306	4.60	21	1	2	8
2308	6.25	21	1	3	10
2336	3.35	21	1		13
2340	3.35	21	1		14
2342	3.35	21	1		15
2344	5.60	21	1	2	1
2346	5.60	21	1	2	3
2348	6.00	21	1	2	3
2350	6.00	21	1	2	3
2352	7.25	21	1	3	1
2356	7.60	21	1	3	
2358	7.75	21	1	3	2
2364	9.00	21	1	3	4
2422	.75	31	5	1	4
2526	1.40	35	10		2½
2526A	1.40	35	10		2½
2526B	1.40	35	10		2½
2534	.90	35	10		1½
2535	1.50	35	10		4
2536	1.25	35	10		2½
2537	1.40	35	10		3
2537A	1.40	35	10		3
2538	1.40	35	10		3
2539	1.80	35	10		6½
2541	2.40	35	5		6
2542	1.50	35	10		6
2545	1.00	32	10		2½
2561	1.80	35	10		2½
2561A	1.80	35	10		2½
2581	2.25	35	5		6
2583	2.95	35	5		1
2612	.85	21	5		4
2616	.95	21	5		5
2619	1.15	21	5		10
2620	1.15	21	5		10
2624	1.35	21	5	1	
2625	1.35	21	5	1	
2628	1.65	21	5	1	6
2630	2.80	21	5	2	1
2632	2.80	21	5	2	1
2636	3.60	21	5	2	1
2675	2.60	21	5	1	
2676	2.60	21	5	1	
2721	.50	36	10		2
2722	.50	36	10		2
2723	.50	36	10		1½
2723A	.60	36	10		2
2725	.70	36	10		3
2725A	.70	36	10		3
2725B	.70	36	10		3
2726	.85	36	10		5
2727	.85	36	10		5
2728	1.05	36	5		7½
2729	1.05	36	5		7½
2731	1.40	36	5		12½
2731A	1.40	36	5		13
2731B	1.40	36	5		12½
2780	.80	21	5		2
2781	.90	21	5		3
2782	1.00	21	5		4
2784	1.40	21	5		7
2816S	.95	13	5		5
2818S	.95	13	5		6
2820S	.95	13	5		4
2830	.75	31	5	1	10
2912	1.30	21	5		2
2914	1.35	21	5		4
2916	1.40	21	5		6
2918	1.50	21	5		6
2919	1.60	21	5		7
2920	1.60	21	5		8
2922	1.70	21	5		10
2924	1.80	21	5		14
2925	1.90	21	5		14
2926	1.90	21	5	1	

(*) All Starred Items Will Be Discontinued—DO NOT RE-ORDER—(Continued on Next Page).

BLACKHAWK WRENCHES

Numerical Price List and Index

Continued

No.	List Price	Page	Units in Carton	Weight Lbs.	Weight Oz.
2928	2.10	21	5	1	3
2930	2.30	21	5	1	7
3114	.50	30	5	1	
3116	.50	30	5	1	6
3118	.50	30	5	1	6
3120	.50	30	5	1	6
3122	.50	30	5	1	6
3124	.50	30	5	1	6
3310	1.00	24	5	1	8
3327	.60	26	5		10
3329	.60	26	5		10
3432	.95	31	5	1	14
3640	.95	31	5	2	10
3731	.60	26	5		13
4002A	.40	32	5		1
4016	1.75	32	5	1	1
4018	1.00	32	5	1	14
4021	.75	32	5		14
4124	1.00	32	5	1	6
4213	1.60	32	5		14
4218	.75	31	5	1	4
4236	.70	32	5	1	2
4316	1.00	32	5	1	9
4320	.65	31	5		14
4330	.75	31	5	1	14
4424	.95	31	5	1	6
4926	1.60	33	5	1	5
5104	2.75	28	1	4	6
5204X	3.25	28	1	3	2
5204Z	4.00	28	1	3	4
5206	8.00	29	1	11	
5220	.50	27	5	1	8
5222	.50	27	5	1	8
5224	.50	27	5	1	8
5226	.50	27	5	1	8
5228	.50	27	5	1	13
5401	1.40	29	5	2	7
5434	2.15	29	5	2	15
5440	2.60	29	5	3	2
5448	3.00	29	5	3	14
5524	.95	27		1	6
5603	1.50	27	5	2	6
6114	.75	30	5	1	8
6116	.75	30	5	1	12
6118	.75	30	5	1	12
6120	.75	30	5	1	12
6124	.75	30	5	1	13
6128	.75	30	5	1	13
6600	11.85	10	1	2	12
6614	.75	10	5		2
6616	.75	10	5		2
6618	.75	10	5		2
6618F	.75	32	5		2
6619	.75	10	5		2
6620	.75	10	5		2
6621	.75	10	5		2
6622	.75	10	5		2
6624	.90	10	5		3
6625	.90	10	5		4
6626	.90	10	5		5
6628	.90	10	5		5
6630	1.00	10	5		5
6631	1.00	10	5		6
6632	1.00	10	5		7
6634	1.25	10	5		1
7808S	.60	10	5		1
7810S	.60	10	5		1
7812S	.60	10	5		1
7814S	.60	10	5		1
7816S	.60	10	5		1
7818S	.60	10	5		1
7820S	.60	10	5		1
7822S	.70	10	5		1
7824S	.70	10	5		1
8108S	.70	10			1
8110S	.70	10			1
8112S	.70	10			1
8114S	.80	10			1
8116S	.80	10			1
8110	.65	10	5		2
8112	.65	10	5		2
8114	.65	10	5		2
8116	.65	10	5		3
8118	.65	10	5		3
8118F	.85	32			2
8119	.65	10	5		4
8120	.65	10	5		5
8122	.70	10	5		6
8124	.80	10	5		6
8125	.80	10	5		7
8126	.90	10	5		7
8128	.90	10	5		7
8130	1.10	10	5		8
8132	1.10	10	5		8
8412	.60	10	5		2
8414	.60	10	5		2
8416	.60	10	5		2
8418	.60	10	5		2
8419	.60	10	5		2
8420	.60	10	5		3
8421	.60	10	5		3
8422	.60	10	5		3
8424	.75	10	5		3
8425	.75	10	5		3
8426	.75	10	5		4
8428	.75	10	5		5
8430	.90	10	5		6
8431	.90	10	5		6
8432	.90	10	5		6
8434	1.00	10	5		7
8436	1.10	10	5		8
8440	1.20	10	5		9
8502	2.25	12	5		6
8502S	2.05	12	5		2
8512S	2.25	12	5		2
8513S	1.10	33	5		2
8514S	2.25	12	5		2
8516S	2.25	12	5		2
8518S	2.25	12	5		2
8520S	2.25	12	5		2
8552	.85	12	5		3
8552S	.70	12	5		1
8560	3.25	12	5		10
8563XN	1.25	32	5		8
8564	1.10	32			14
8565	2.80	32		1	2
8900	7.65	12	1	2	6
8924	1.40	12	5		7
8926	1.40	12	5		7
8928	1.40	12	5		7
8930	1.55	12	5		7
8932	1.55	12	5		8
8936	1.75	12	5		9
9004	.25	13	5		3
9201S	1.25	7	5		9
9202	2.25	7	5	1	
9203S	1.10	9	5		3
9204	1.60	7	5	1	
9206	1.75	9	5		13
9206S	1.20	9	5		4
9207	2.85	7	5	1	7
9207S	2.50	7	5		8
*9207XN	6.25	7	5	3	14
9208	3.15	7	5	1	12
9209	.60	7	5		12
9209S	.45	7	5		4
*9209XN	1.50	7	5	2	10
9210	2.00	9	5	1	3
9210S	1.30	9	5		7
9217	3.75	7	5	2	1
9218S	1.75	9	5		13
9252	1.00	9	5		5
9260	1.50	9	5		15
9412	2.50	13	5	1	11
9506	2.25	8	5	2	3
9507	4.25	8	5	2	4
9510S	1.75	8	5	1	2
9611	2.25	8	5	2	3
9707S	5.50	6	5		7
9802	.45	6	5		2
9809	5.00	6	5	1	1
9810	6.50	6	5	1	5
9811	3.35	6	5	1	7
12001	2.00	13	5		8
12002	2.00	13	5		8
49999	2.35	8	5	2	3
60028	1.00	11	5		8
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60031	1.00	11	5		8
60032	1.00	11	5		8
60034	1 25	11	5		9
60036	1.25	11	5		12
60038	1.25	11	5		12
60040	1.50	11	5		14
60042	1.50	11	5	1	
60044	1.50	11	5	1	1
60046	1.75	11	5	1	1
60048	1.75	11	5	1	4
60050	2.00	11	5	1	5
60052	2.00	11	5	1	7
60054	2.50	11	5	1	8
60056	2.50	11	5	1	10
60058	2.75	11	5	1	12
60060	2.75	11	5	1	14
60064	3.40	11	5	2	2
60128	1.90	11	5		9
60132	1.90	11	5		14
60134	2.00	11	5	1	
60140	2.50	11	5	1	4
60146	3.60	11	5	1	7
60152	4.50	11	5	2	
69989	1.00	6	5		7
69990	2.20	12	5	1	2
69991	1.20	25	5		4
69992	1.10	12	5		7
69993	6.25	12	5	1	3
69994	3.00	9	5	2	12
69995	2.50	9	5	1	8
69996	1.50	7	5	2	10
69997	3.00	7	5	3	4
69998	6.25	7	5	3	14
69999	9.00	6	5	3	4
80034	1.90	11	1	1	4
80036	1.90	11	1	1	4
80040	2.00	11	1	1	6
80042	2.00	11	1	1	6
80044	2.00	11	1	1	8
80046	2.15	11	1	1	8
80048	2.60	11	1	1	10
80050	2.60	11	1	1	14
80052	2.90	11	1	1	14
80054	3.25	11	1	2	4
80056	3.50	11	1	2	12
80058	3.75	11	1	2	12
80060	4.25	11	1	3	2
80062	4.50	11	1	3	8
80064	4.75	11	1	3	8
80066	5.50	11	1	3	12
80068	6.00	11	1	4	
80070	6.25	11	1	4	
80072	6.50	11	1	4	4
80074	7.00	11	1	4	4
80076	7.50	11	1	4	9
80078	9.00	11	1	5	
80080	10.50	11	1	5	8
80082	11.00	11	1	6	4
80084	11.25	11	1	6	4
80086	12.50	11	1	6	12
80088	13.75	11	1	6	12
80090	14.25	11	1	7	7
80092	15.50	11	1	7	7
80094	16.25	11	1	8	4
80096	16.50	11	1	9	4
80098	17.00	11	1	10	2
80100	17.00	11	1	10	2
81034	2.10	11	1	1	8
81036	2.10	11	1	1	10
81038	2.50	11	1	1	10
81040	3.00	11	1	1	10
81044	4.00	11	1	2	1
81046	5.25	11	1	2	6
81050	5.60	11	1	2	14
81052	6.25	11	1	2	14
81058	6.40	11	1	4	2
81064	7.50	11	1	4	14
89993	2.10	12	1		12
89994	1.20	6	1		8
89995	6.00	9	1	6	8
89996	5.00	9	1	3	6
89997	2.70	9	1	6	8
89998	3.20	9	1	1	7
89999	16.00	6	1	6	10

(*) All Starred Items Will Be Discontinued — DO NOT RE-ORDER

BLACKHAWK MFG. COMPANY

Milwaukee Wisconsin

Important Improvements In 1936 Wrench Line

BLACKHAWK WRENCHES

"KEEP UP-TO-DATE" — "Be Modern" — those two slogans have been the guide of Blackhawk engineers in offering mechanics the finest, modern tools for time-saving repair work.

We are proud to announce this year radical changes that will increase the efficiency and workmanship of mechanics and make their work more pleasant.

Here they are—

THUMB RELEASE "LOCK-ON". To Blackhawk's exclusive "Lock-On" feature we have added the Thumb Release feature in the 1/2, 3/4 and 1 inch square drive series which makes the release key unnecessary. Convenient button in sockets and attachments unlocks combinations in an instant. Illustration at the right shows how it works.

IMPROVED HEAVY AND EXTRA HEAVY DUTY SOCKETS. To greatly increase the strength and adaptability of these necessary sockets, a finer and stronger steel is used. Thinner walls and straight side design improves the appearance and utility. They're beauties to look at and brutes for punishment. (See page Eleven).

EXTRA HEAVY DUTY SERIES. Because of the rugged work this extra heavy duty series is called upon to do, we have changed the drive from 7/8 to 1 inch square. Carefully balanced and trim appearing. This new series opens new markets in the automotive, industrial and maintenance fields.

NEW OK LINE

Here's good news for those who want popularly priced, dependable wrenches. The new OK line by Blackhawk is a complete series of handles, sockets and attachments in the 1/2 inch square drive with new Silver Satin finish. Highly polished, trim in appearance, strong, guaranteed.

Four Popular sets — OK10, OK20, OK30 and OK40 — provide necessary tools for all ranges of work at surprisingly low prices. (See pages 22 to 26 for descriptions).

COMPLETENESS

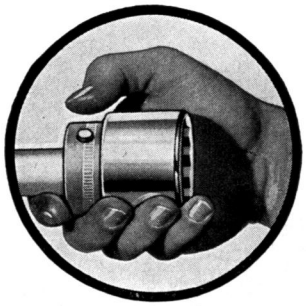
The Blackhawk line offers necessary tools in socket, open-end and box-type styles to handle every repair job on cars, trucks, or buses. The keynote of Blackhawk design and construction is quality workmanship and utility to help mechanics make more money and earn better jobs.

GUARANTEE

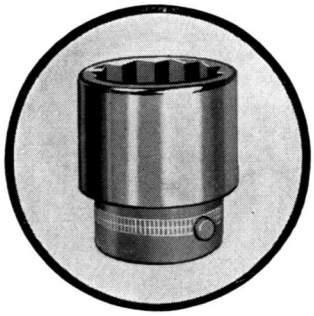
All Blackhawk Wrenches are guaranteed against defects both in workmanship and material. This also covers spreading or breaking. Free replacements will be made on all wrenches that do not stand up to this guarantee.

This guarantee is void if inspection shows that handles or sockets have been hammered or used with Stillson Wrenches for extra leverage — handles or sockets have been ground thinner or changed in design — sockets were used on over or under sized nuts — undue leverage was exerted — tools are worn out from use — or any wrench has been used for purposes other than intended.

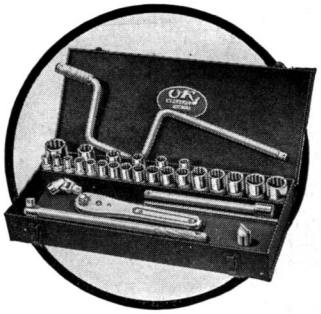
We are in an excellent position to quote on your special wrench requirements — any type — any quantity.



Simply depress button in sockets and attachments to release the "Lock-On" grip. It's new, and a time-saver for mechanics.



New design of Heavy and Extra Heavy Duty sockets. Trim and neat but tough and strong.



One of the new OK sets. A striking line of popularly priced tools built to Blackhawk standards and fully guaranteed.

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Ratchets

Reversible "Free Wheeling" Ratchets

⅜" & ½" Square "Lock-On" Drive

PATENTED

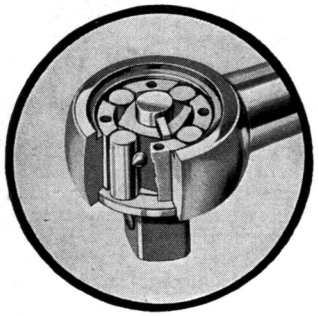
These new "Free Wheeling" ratchet wrenches have met the hearty approval of mechanics because of these outstanding features—instant reverse without removing socket—noiseless smooth operation—no teeth—no back-lash—instant grip in any position—no play—small diameter head and narrow neck—light weight—and perfect balance. Drop forged chrome molybdenum steel.

They're ideal for work in close confined places where clearance is small.

Nos. 9707S & 9810

"Free Wheeling" Ratchets
(Reg. Trade Mark)

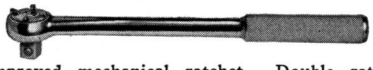
No.	Dia. of Head	Length	"Lock-On" Sq. Drive	List Price
9707S	1 3/16"	7"	⅜"	$5.50
9810	1⅝"	10½"	½"	6.50



Cut-through view of "Free Wheeler" showing construction. Rollers held firmly in contact by spring-backed plunger.

Mechanical Ratchets — Reversible

½" Square "Lock-On" Drive

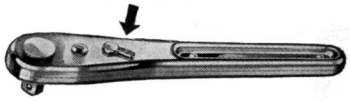


PATENTS PENDING

A greatly improved mechanical ratchet. Double ratchet engagement gives smoother action—reverses instantly without removing socket (see illustration)—small head, 1⅜" diameter and narrow neck for close quarter work. Drop forged chrome vanadium steel.

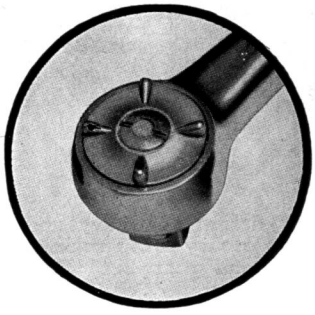
Hollowed knurled grip permits the use of No. 9209 Handle Bar for additional leverage.

9809	1⅜"	10½"	½"	$5.00



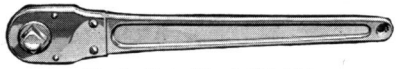
Redesigned to give mechanics a faster acting, easier reversing ratchet. Eighteen teeth insure smooth action and short bites in close quarters. Reverses instantly by flipping small lever on top of handle (see close-up view).

9811	1 1/16"	10"	½"	$3.35



Narrow, neat appearing head of No. 9809. Convenient lobes on top plate facilitate reversing. Simply hold plate with thumb and turn socket.

¾", ⅞" & 1" Square "Lock-On" Drive

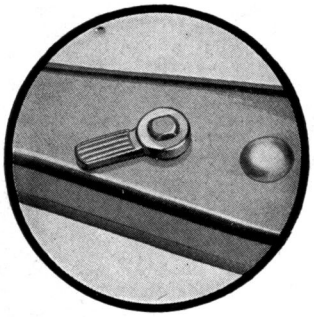


U. S. Pat. No. 1,873,472
U. S. Pat. No. 1,807,134

For heavy duty work of all kinds. Instantly reversible by shifting patented lug.

*69999	2¼"	16"	¾"	$9.00
920	2⅞"	20"	⅞"	15.00
89999	2⅞"	20"	1"	16.00

*Old 916N.



Convenient reversing lever on 9811. Simply flip lever right or left to reverse action.

Replacement Drive Lugs for Ratchets

No.	"Lock-On" Sq. Drive	For use with No.	List Price
9802	½"	Old 9811	$0.45
*69989	¾"	916N & 69999	1.00
T113XX	⅞"	920N	1.00
89994	1"	89999	1.20

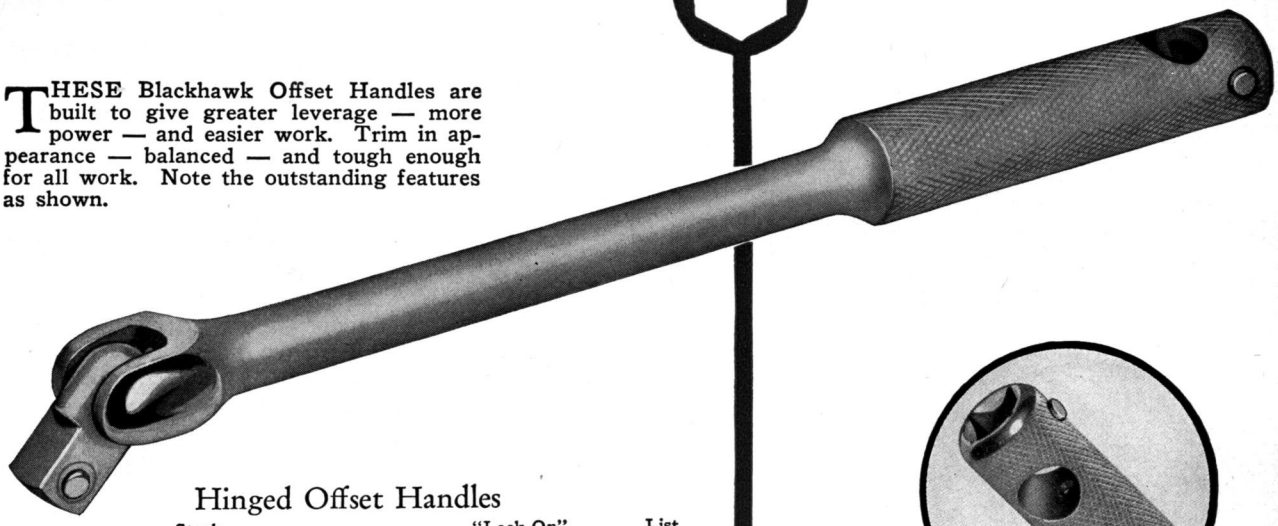
*Old T113XN.

Liberal Discount to Dealers and Mechanics

Chrome Vanadium - Chromium Plated Offset Handles

BLACKHAWK WRENCHES

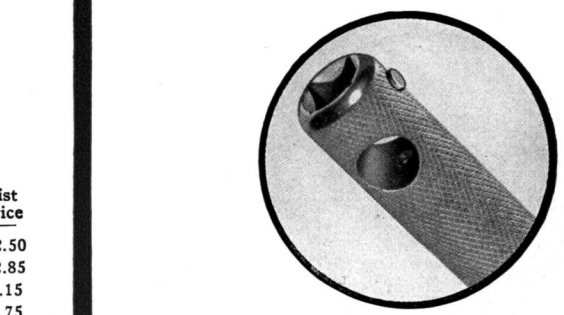
THESE Blackhawk Offset Handles are built to give greater leverage — more power — and easier work. Trim in appearance — balanced — and tough enough for all work. Note the outstanding features as shown.



Hinged Offset Handles

No.	Stock Dia.	Length	"Lock-On" Sq. Drive	List Price
*9207S	7/16"	8"	3/8"	$2.50
9207	5/8"	11 3/4"	1/2"	2.85
9208	5/8"	15 5/8"	1/2"	3.15
9217	5/8"	18"	1/2"	3.75
**69998	13/16"	19"	3/4"	6.25

*Does not have square opening in handle grip.
**Old 9207XN.

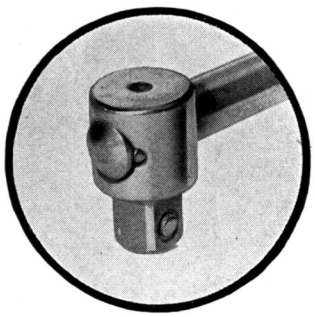


Triple duty wrenches — Hinged Offsets can also be used as extensions because of square broaching in end of handle as shown. Cross hole takes handle bar to make T or L Wrench.

Sliding Offsets

9204	9/16"	11"	1/2"	$1.60
*69997	13/16"	18"	3/4"	3.00

*Old T4XN.



Plenty of clearance with these Sliding Offsets. Handle does not stick out beyond head. Note recess for stop ball. Spring ball in head holds it in any position.

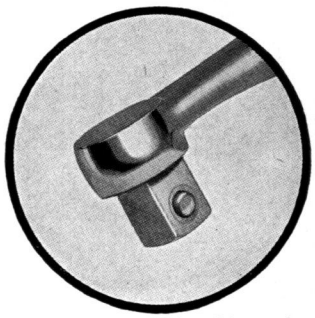
Offset Handle

9201S	7/16"	7 1/2"	3/8"	$1.25

Obstruction Offset Handles

*1521	9/32"	5"	1/4"	$1.25
9202	5/8"	11"	1/2"	2.25

*Equipped with frictional lock only. No Lock-On.



Nothing beats the Obstruction Offsets for minimum clearance. Thin wide throat — small narrow head — but strength is there plenty.

Handle Bars

No.

1530—1/4" dia., 4 1/2" long. Used with 1525 to make T or L wrenches.
List Price, each $0.40

9209S—3/8" dia., 7" long. Used with 9203S, 9206S, 9207S, 9210S, 9218S and 9707S to make T or L wrenches.
List Price, each ..... .45

9209—9/16" dia., 11" long. Used with 9206, 9207, 9208, 9210, 9217 and 9250 to make T or L wrenches. Also for extra leverage on 9202, 9809 and 9810.
List Price, each ..... .60

*69996—13/16" dia., 18" long. Used with 69998, 69995 and 69994 to make T or L Wrench.
List Price, each 1.50

*Old 9209XN.

Liberal Discount to Dealers and Mechanics

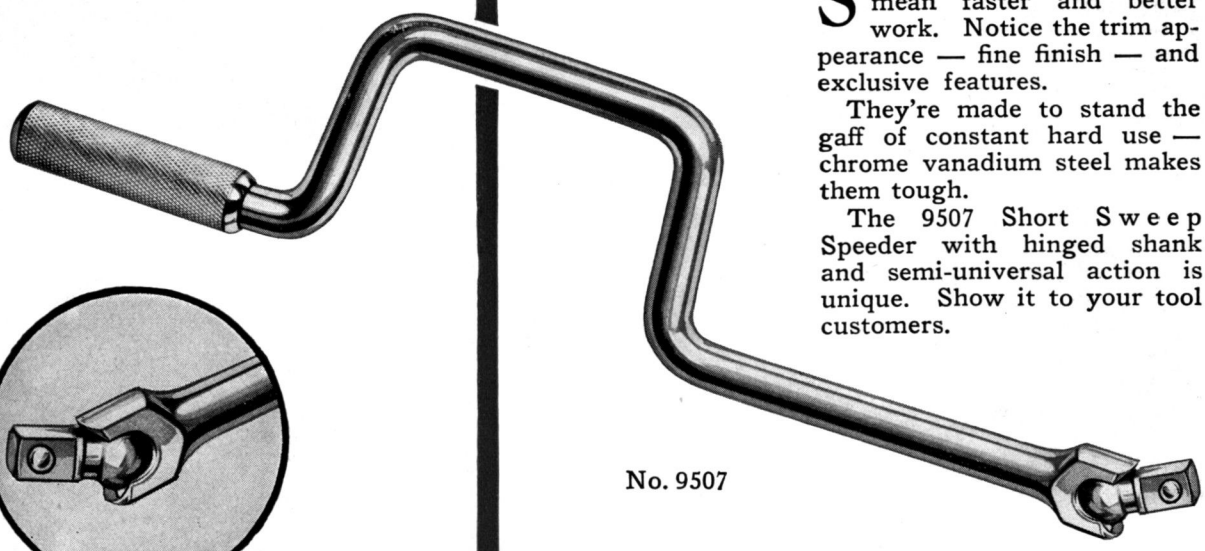
BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Speeders

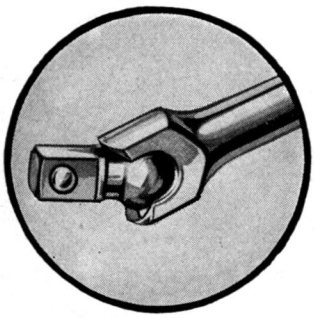
SPEEDERS by Blackhawk mean faster and better work. Notice the trim appearance — fine finish — and exclusive features.

They're made to stand the gaff of constant hard use — chrome vanadium steel makes them tough.

The 9507 Short Sweep Speeder with hinged shank and semi-universal action is unique. Show it to your tool customers.



No. 9507



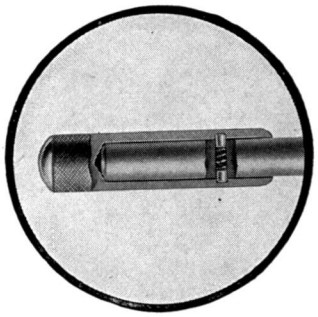
Here's the head that makes the 9507 a real nut hound. Slotted throat gives 90° offset for leverage and 45° universal action.

Hinged Universal Speeder

(Shown Above)

A practical short sweep speeder that combines both a hinged shank for offset leverage and semi-universal action for speed in close quarters.

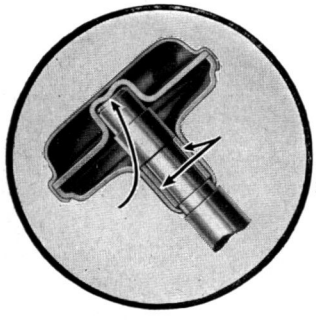
No.	Stock Dia.	Length	Shank Length	Sweep	"Lock-On" Sq. Drive	List Price
9507	5/8"	17 1/2"	7"	2 3/4"	1/2"	$4.25



Grip handles on Braces never come off, stick, or jam. They're held by Blackhawk's patented method as shown. Smooth action means easy work.

Brace Handles

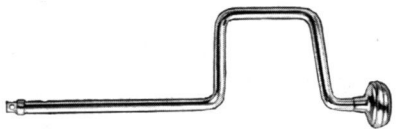
9506	1/2"	15 5/8"	6"	4 3/4"	1/2"	$2.25
49999	1/2"	19"	8 1/2"	4 3/4"	1/2"	2.35



U. S. Pat. No. 1,764,690

Arrows indicate hardened thrust and sleeve bearings that make for real speed — minimize wear and prevent sticking. Note grip is spun onto handle — can't come off.

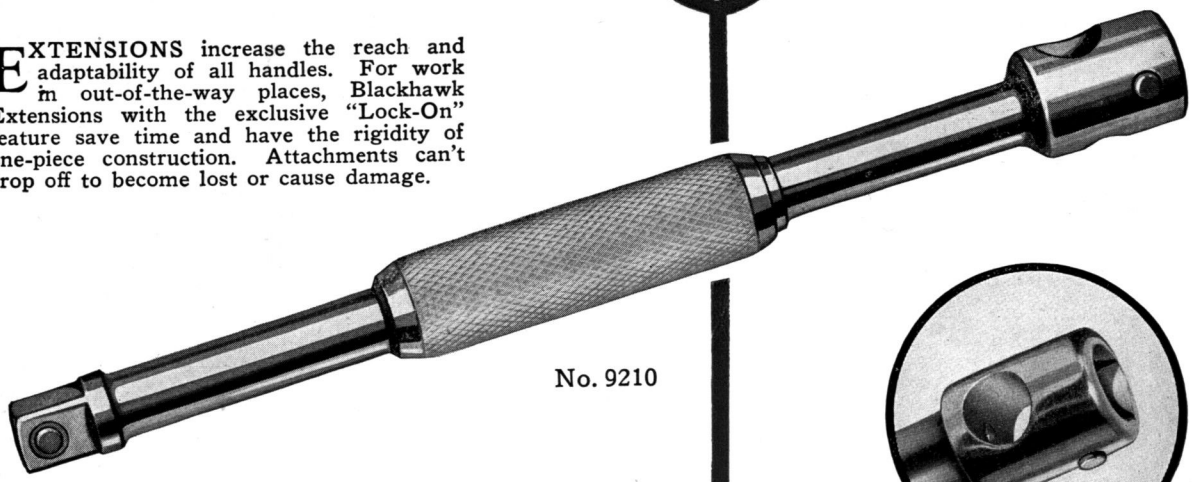
Speeder Handles



9510S	7/16"	18"	10"	3 3/8"	3/8"	$1.75
9611	1/2"	19"	11"	4 3/4"	1/2"	2.25

Liberal Discount to Dealers and Mechanics

EXTENSIONS increase the reach and adaptability of all handles. For work in out-of-the-way places, Blackhawk Extensions with the exclusive "Lock-On" feature save time and have the rigidity of one-piece construction. Attachments can't drop off to become lost or cause damage.



No. 9210

Extensions with Revolving Grip
(Illustrated Above)

No.	Stock Dia.	Length	"Lock-On" Sq. Drive	List Price
9206	5/8"	6"	1/2"	$1.75
9210	5/8"	10"	1/2"	2.00

Standard Extension Bars

*1525	9/32"	5"	1/4"	$0.90
9203S	7/16"	3"	3/8"	1.10
9206S	7/16"	5"	3/8"	1.20
9210S	7/16"	10"	3/8"	1.30
9218S	7/16"	18"	3/8"	1.75
**9252	...	2"	1/2"	1.00
9260	9/16"	10"	1/2"	1.50

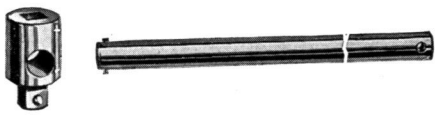
*Not equipped with Lock-On.
**Similar in appearance to No. T40XX shown below. Can be used with handle bar No. 9209 to make sliding offset.

Heavy and Extra Heavy Duty Extensions

*69995	13/16"	8 1/2"	3/4"	$2.50
**69994	13/16"	17"	3/4"	3.00
T8XX	1"	9"	7/8"	5.00
T17XX	1"	18"	7/8"	6.00
89996	1 1/4"	9"	1"	5.00
89995	1 1/4"	18"	1"	6.00

*Old T8XN.
**Old T17XN.

Sliding T — Extra Heavy Duty



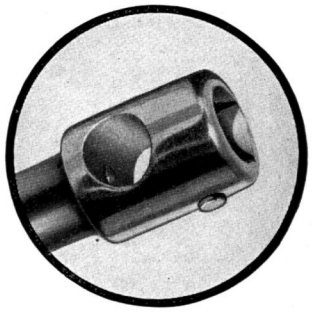
No. T4XX —Bar only, 1" dia., 24" long. Used with T8XX, T17XX and T40XX.
List Price, each $2.25

No. T40XX —Head and adaptor for T4XX, 7/8" Square Lock-On Drive.
List Price, each $3.00

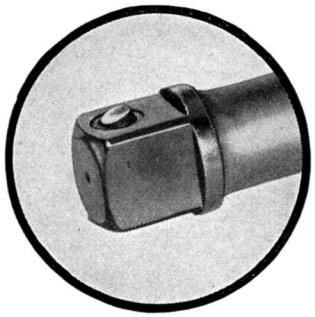
89997—Bar only, 1 1/8" dia., 28" long. Used with 89996, 89995, 89998.
List Price, each $2.70

89998—Head and adaptor for 89997. 1" Square Lock-On Drive.
List Price, each $3.20

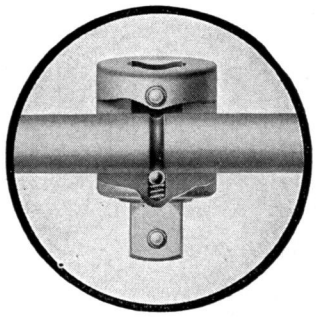
All Extra Heavy Duty Series—7/8" and 1" square drive—are finished in Cadmium.



Blackhawk Extensions do double duty — cross hole in head takes handle bar to make Tee or L wrench. Spring ball holds bar firmly in any position.



Note the trim, clean, business-like appearance of the Blackhawk drive. Edges chamfered to prevent sticking — milled to a perfect fit — with butt stop that keeps socket in position.



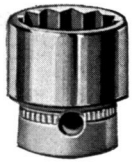
Here's a feature of the Sliding Tee — spring ball in head engages with groove in center of handle to prevent slipping — a real convenience for heavy work.

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Thin Straight Wall Sockets

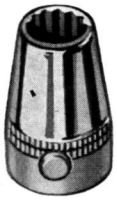
To determine socket size—last two figures in each socket number indicates size in 32nds of an inch. Example: No. 8414 indicates 14/32" or 7/16".

No. 1506 Series



No. 7808S Series

No. 6614 Series



No. 8412 Series

Nos. 1553 Series
8108S
8110

THE finest chrome vanadium steel—durable chromium plating—precision double hex broaching—and straight sides make these Blackhawk thin wall sockets the finest a mechanic can buy. They are made to tackle the tough jobs—and stand the gaff.

Extra Small Series — 1/4" Square Drive

Thin Wall Double Hex Sockets

Socket No.	Socket Size	List Price	Socket No.	Socket Size	List Price
*1506	3/16	.40	*1510	5/16	.40
*1507	7/32	.40	*1511	11/32	.40
*1508	1/4	.40	1512	3/8	.40
*1509	9/32	.40	1514	7/16	.40

*Single Hexagon.

Double Square Sockets

*1553	3/16	.40	1556	3/8	.50
1554	1/4	.40	1557	7/16	.50
1555	5/16	.40	1558	1/2	.50

*Single Square.

Small Series — 3/8" Square Lock-On Drive

Thin Wall Double Hex Sockets

7808S	1/4	.60	7818S	9/16	.60
7810S	5/16	.60	7820S	5/8	.60
7812S	3/8	.60	7822S	11/16	.70
7814S	7/16	.60	7824S	3/4	.70
7816S	1/2	.60			

Double Square Sockets

8108S	1/4	.70	8114S	7/16	.80
8110S	5/16	.70	8116S	1/2	.80
8112S	3/8	.70			

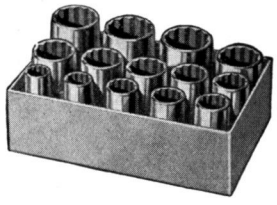
Standard Series — 1/2" Square Lock-On Drive

Thin Wall Double Hex Sockets

6614	7/16	.75	6625	25/32	.90
6616	1/2	.75	6626	13/16	.90
6618	9/16	.75	6628	7/8	.90
6619	19/32	.75	6630	15/16	1.00
6620	5/8	.75	6631	31/32	1.00
6621	21/32	.75	6632	1	1.00
6622	11/16	.75	6634	1 1/16	1.25
6624	3/4	.90			

No. 6600 Set — Thin Wall Sockets

Fourteen of the most popular Thin Wall Sockets packed in strong cardboard box. Lock-on feature, 1/2" square drive. Sizes from 7/16" to 1". One each Nos. 6614, 6616, 6618, 6619, 6620, 6621, 6622, 6624, 6625, 6626, 6628, 6630, 6631 and 6632. No.
6600 Set .....List Price $11.85



Regular Wall Double Hex Sockets

8412	7/16	.60	8425	25/32	.75
8414	1/2	.60	8426	13/16	.75
8416	9/16	.60	8428	7/8	.75
8418	19/32	.60	8430	15/16	.90
8419	5/8	.60	8431	31/32	.90
8420	21/32	.60	8432	1	.90
8421	11/16	.60	8434	1 1/16	1.00
8422	3/4	.60	8436	1 1/8	1.10
8424		.75	8440	1 1/4	1.20

Double Square Sockets

8110	5/16	.65	8122	11/16	.70
8112	3/8	.65	8124	3/4	.80
8114	7/16	.65	8125	25/32	.80
8116	1/2	.65	8126	13/16	.90
8118	9/16	.65	8128	7/8	.90
8119	19/32	.65	8130	15/16	1.10
8120	5/8	.65	8132	1	1.10

Liberal Discount to Dealers and Mechanics

Chrome Vanadium - Chromium Plated Sockets

Heavy Duty Series — 3/4" Square Lock-On Drive

Double Hex Sockets

Socket No.	Socket Size, in.	List Price	Socket No.	Socket Size, in.	List Price
60028	7/8	$1.00	60046	1 7/16	$1.75
60030	15/16	1.00	60048	1 1/2	1.75
60031	31/32	1.00	60050	1 9/16	2.00
60032	1	1.00	60052	1 5/8	2.00
60034	1 1/16	1.25	60054	1 11/16	2.50
60036	1 1/8	1.25	60056	1 3/4	2.50
60038	1 3/16	1.25	60058	1 13/16	2.75
60040	1 1/4	1.50	60060	1 7/8	2.75
60042	1 5/16	1.50	60064	2	3.40
60044	1 3/8	1.50			

Double Square Sockets

60128	7/8	1.90	60140	1 1/4	2.50
60132	1	1.90	60146	1 7/16	3.50
60134	1 1/16	2.00	60152	1 5/8	4.50

Extra Heavy Duty Series — 1" Sq. Lock-On Drive

Single Hex Sockets

80034	1 1/16	1.90	80070	2 3/16	6.25
80036	1 1/8	1.90	80072	2 1/4	6.50
80040	1 1/4	2.00	80074	2 5/16	7.00
80042	1 5/16	2.00	80076	2 3/8	7.50
80044	1 3/8	2.00	80078	2 7/16	9.00
80046	1 7/16	2.15	80080	2 1/2	10.50
80048	1 1/2	2.60	80082	2 9/16	11.00
80050	1 9/16	2.60	80084	2 5/8	11.25
80052	1 5/8	2.90	80086	2 11/16	12.50
80054	1 11/16	3.25	80088	2 3/4	13.75
80056	1 3/4	3.50	80090	2 13/16	14.25
80058	1 13/16	3.75	80092	2 7/8	15.50
80060	1 7/8	4.25	80094	2 15/16	16.25
80062	1 15/16	4.50	80096	3	16.50
80064	2	4.75	80098	3 1/16	17.00
80066	2 1/16	5.50	80100	3 1/8	17.00
80068	2 1/8	6.00			

Single Square Sockets

81034	1 1/16	2.10	81046	1 7/16	5.25
81036	1 1/8	2.10	81050	1 9/16	5.60
81038	1 3/16	2.50	81052	1 5/8	6.25
81040	1 1/4	3.00	81058	1 13/16	6.40
81044	1 3/8	4.00	81064	2	7.50

Old Style Heavy and Extra Heavy Duty Sockets

Double Hex Sockets — 3/4" Square Lock-On Drive

D28XN	7/8	.90	D46XN	1 7/16	1.55
D30XN	15/16	.90	D48XN	1 1/2	1.55
D31XN	31/32	.90	D50XN	1 9/16	1.80
D32XN	1	.90	D52XN	1 5/8	1.80
D34XN	1 1/16	1.15	D54XN	1 11/16	2.25
D36XN	1 1/8	1.15	D56XN	1 3/4	2.25
D38XN	1 3/16	1.15	D58XN	1 13/16	2.50
D40XN	1 1/4	1.30	D60XN	1 7/8	2.50
D42XN	1 5/16	1.30	D64XN	2	3.00
D44XN	1 3/8	1.30			

Double Square Sockets — 3/4" Square Lock-On Drive

D028XN	7/8	2.00	D040XN	1 1/4	3.00
D032XN	1	2.25	D046XN	1 7/16	3.50
D034XN	1 1/16	2.50	D052XN	1 5/8	4.00

Double Hex Sockets — 7/8" Square Lock-On Drive

D34XX	1 1/16	1.60	D64XX	2	4.00
D36XX	1 1/8	1.60	D66XX	2 1/16	4.50
D40XX	1 1/4	1.70	D68XX	2 1/8	4.75
D42XX	1 5/16	1.70	D70XX	2 3/16	5.25
D44XX	1 3/8	1.70	D72XX	2 1/4	5.50
D46XX	1 7/16	1.85	D74XX	2 5/16	6.00
D48XX	1 1/2	2.25	D76XX	2 3/8	6.25
D50XX	1 9/16	2.25	D78XX	2 7/16	7.50
D52XX	1 5/8	2.50	D80XX	2 1/2	8.75
D54XX	1 11/16	3.00	D82XX	2 9/16	10.00
D56XX	1 3/4	3.00	D84XX	2 5/8	11.25
D58XX	1 13/16	3.50	D86XX	2 11/16	12.50
D60XX	1 7/8	3.50	D88XX	2 3/4	13.75
D62XX	1 15/16	4.00			

Single Square Sockets — 7/8" Square Lock-On Drive

034XX	1 1/16	1.70	046XX	1 7/16	4.50
036XX	1 1/8	2.00	050XX	1 9/16	5.00
038XX	1 3/16	2.50	052XX	1 5/8	5.50
040XX	1 1/4	3.00	058XX	1 13/16	6.25
044XX	1 3/8	4.00	064XX	2	7.00

Note:—See page 40 for Socket Reference Table.

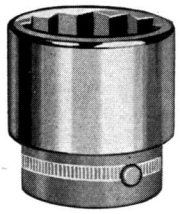
Note:—All extra heavy duty sockets are cadmium plated.

NEW!

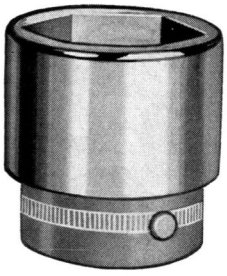
An entirely new series of Heavy and Extra Heavy Duty Sockets are offered in improved design and steel. All sockets now have the BUILT-IN "Lock-On" feature with thumb release — no release key necessary.

Notice the trim appearance and straight wall design. They get into closer quarters and because of finer, stronger steel will do more and better work. Put them up against any tough job — they stand up.

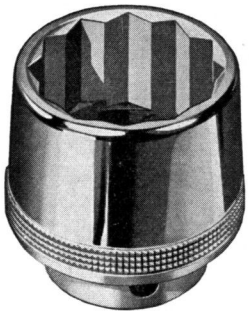
Heavy Duty Sockets are double broached in both Hex and Square styles. Extra Heavy Duty — single broached.



New Heavy Duty Style Socket



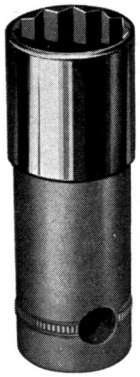
New Extra Heavy Duty Style Socket



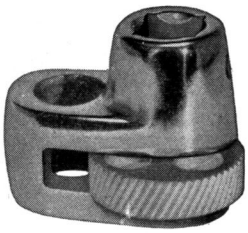
Old Style Heavy and Extra Heavy Duty Socket

BLACKHAWK WRENCHES

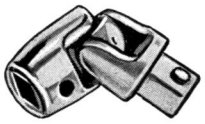
Chrome Vanadium - Chromium Plated Sockets and Attachments



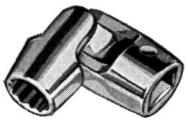
Nos. 8926 Series



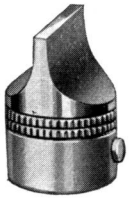
No. 8560



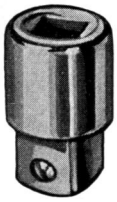
Nos. 1502
8502
8502-S
69993



No. 8512-S Series



8552
8552S



Adaptors

Spark Plug Sockets — Thin Wall Double Hex
½" Square Lock-On Drive

Here's a complete series of extra deep, thin wall double hex spark plug sockets ranging from ¾" to 1⅛". ½" Square "Lock-On" Drive broaching makes them adaptable to any of the handles in the standard series. Cross hole permits use of bar for leverage.

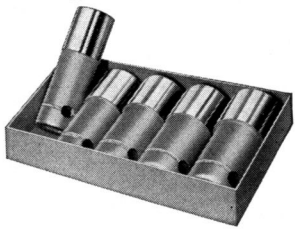
Socket No.	Socket Size	Overall Length	Max. Diam.	List Price
8924	¾"	3¼"	1 1/16"	$1.40
*8926	13/16"	3¼"	1 1/16"	1.40
8928	⅞"	3¼"	1 5/32"	1.40
8930	15/16"	3¼"	1¼"	1.55
**8932	1"	3¼"	1 9/32"	1.55
8936	1⅛"	3¼"	1 7/16"	1.75

*For 14MM Metric Plugs.
**For 18MM Metric Plugs.

No. 8900 Set—Spark Plug Sockets

A handy set of new extra deep thin wall spark plug sockets. Socket range —13/16" to 1⅛". Practically every car, including the new models can be serviced with this set. Packed in strong cardboard box.

Contents: One each Nos. 8926, 8928, 8930, 8932 and 8936.



No.
8900 Set .....List Price $7.65

Stud Setter and Extractor

Used with any standard ½" square drive handle. Has 2 drilled holes for changing position of serrated gear to fit studs from ¼" to ¾". Gears are milled and not knurled providing longer life.

No.
8560 List Price, each $3.25

Universal Joints

A GREATLY improved series of universal joints — stock diameter reduced offering more clearance — accessibility increased by shorter overall length — and full 90° angle to reach awkward jobs.

No.	Series	Square Drive	List Price
1502	Extra Small	¼" Friction Ball	$1.75
8502S	Small	⅜" Lock-On	2.05
8502	Standard	½" Lock-On	2.25
*69993	Heavy Duty	¾" Lock-On	6.25

*Old T2XN.

Universal Joint Sockets

No.	Socket Size	"Lock-On" Sq. Drive	List Price
8512S	⅜"	⅜"	$2.25
8514S	7/16"	⅜"	2.25
8516S	½"	⅜"	2.25
8518S	9/16"	⅜"	2.25
8520S	⅝"	⅜"	2.25

For manifold, generator, starter, water pump and carburetor mountings, etc.

Tie Rod and Screw Driver Attachments

No.	Edge of Blade	Overall Length	"Lock-On" Sq. Drive	List Price
8552S	11/16" x 1/16"	1"	⅜"	$0.70
8552	15/16" x 7/64"	1½"	½"	.85

Adaptors

Adaptor Number	Female Opening	Used on Handles to	Male End	List Price
*69992	½"	Increase to	¾"	$1.10
T9XX	¾"	Increase to	⅞"	2.00
89993	¾"	Increase to	1"	2.10
T9N	¾"	Decrease to	½"	1.25
T90	⅞"	Decrease to	¾"	2.00
69990	1"	Decrease to	¾"	2.20

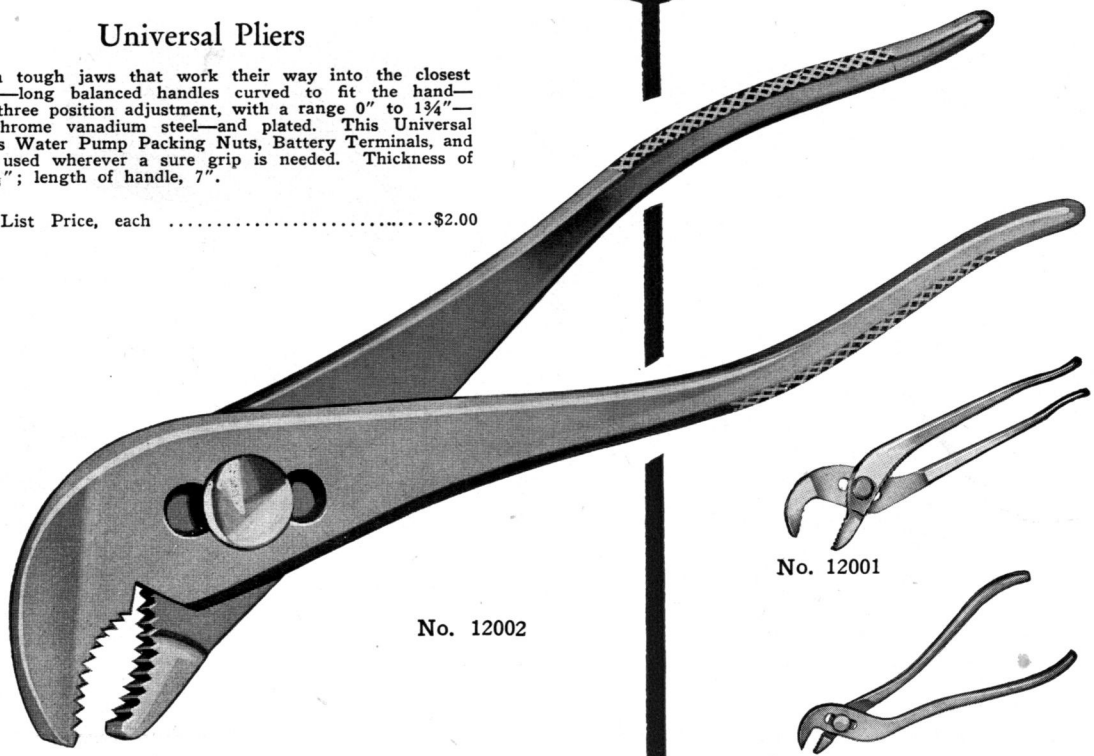
*Old T9XN.

Liberal Discount to Dealers and Mechanics

Universal Pliers

Thin tough jaws that work their way into the closest quarters—long balanced handles curved to fit the hand—instant three position adjustment, with a range 0" to 1¾"—tough chrome vanadium steel—and plated. This Universal Plier fits Water Pump Packing Nuts, Battery Terminals, and can be used wherever a sure grip is needed. Thickness of jaws, $\frac{9}{32}$"; length of handle, 7".

No.
12002 List Price, each $2.00



No. 12002

No. 12001

Water Pump Pliers

Fits practically all water pump packing nuts. Five position jaw adjustment with range 0" to 2". Length, 9½"; thickness of jaws, ¼".

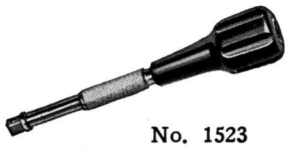
No.
12001 List Price, each $2.00

No. H1

Universal Ignition Pliers

New style Ignition Pliers, with full-fashioned grip handle. Easier to hold and to work with. Especially adapted to ignition service, carburetors, radios and other small jobs. Three position slip jaws provide opening range from 0 to ⅝". Thickness of jaws, ⅛"; over all length, 5".

No.
H1 List Price, each $1.60

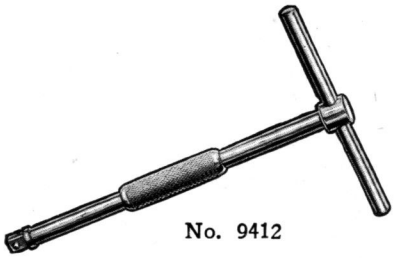


No. 1523

Midget Grip Handle

5" long, ¼" square friction drive. Has hard rubber handle giving sturdy grip for speed and leverage. Adapted for use with No. 1521 as an L wrench.

No.
1523 List Price, each $1.50



No. 9412

Tee Handle

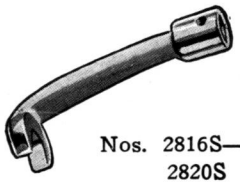
No.	Stock Dia.	Handle Length	Crossbar Length	"Lock-On" Sq. Drive	List Price
9412	$\frac{5}{16}$"	12"	8"	½"	$2.50

Has sturdy revolving grip.

Crowfoot Wrenches

For aeronautical and automotive work. Jaws similar to open end wrenches for sure grip in otherwise inaccessible places.

No.	Size of Opening	Stock Dia.	Length	"Lock-On" Sq. Drive	List Price
2816S	½"	$\frac{7}{16}$"	3¼"	⅜"	$0.95
2818S	$\frac{9}{16}$"	$\frac{7}{16}$"	3½"	⅜"	.95
2820S	⅝"	$\frac{7}{16}$"	3½"	⅜"	.95



Nos. 2816S—2818S
2820S

"Lock-On" Release Key

This new handy Release Key can be used for releasing all "Lock-On" Sockets in the present ⅜" and old style ½" and ¾" square drive series.

No.
9004 List Price, each $0.25

No. 9004

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Wrench Set

The Treasure Chest

No. 70RD Set

MECHANICS claim the Treasure Chest the finest achievement in a complete yet compact assortment of essential handles, attachments and sockets for the expert.

Under one lock he can now obtain this set of 70 tools — for any job from the fussiest work on ignition systems, generators, relays, starters, radios, aeromotive work, to smaller assembly jobs, general automotive repair, truck and bus work, tractors, farm machinery and many industrial uses.

All in de luxe R case which provides added room for coveralls, hammers, pliers, and other tools.

Treasure Chest

The true mechanic will itch to lay hands on each silver bright tool of the Blackhawk Treasure Chest. And his pride will be pleased at the attractive individual brass name plate furnished for the top cover of each 70RD set. Name plate will be sent, ready to be attached, on receipt of card which is included with each Treasure Chest.

Add to these advantages the well known features of—Lock-on Sockets —Chrome Vanadium Steel—Chromium Plating—double hexagon sockets—full guarantee of replacement at any time should material or workmanship prove defective. Small wonder then that every mechanic will find he has just the bench or floor space for the newest Blackhawk achievement, the Treasure Chest.

Aeromotive mechanics will welcome this set. Show them the lightness, strength and wide range of usefulness.

The 70RD "Treasure Chest"

Contents of Set

Extra Small Series — 1/4" Square Drive

1521 Obstruction Offset	1507 7/32" Sgl. Hex Skt.	1511 11/32" Sgl. Hex Skt.
1523 Grip Handle	1508 1/4" Sgl. Hex Skt.	1512 3/8" Dbl. Hex Skt.
1525 Extension Bar	1509 9/32" Sgl. Hex Skt.	1514 7/16" Dbl. Hex Skt.
1506 3/16" Sgl. Hex Skt.	1510 5/16" Sgl. Hex Skt.	

Small Series — 3/8" Square Lock-On Drive

9510S Speeder Handle	8552S Screw Driver	7818S 9/16" Dbl. Hx. Skt.
9207S Hinged Offset	8502S Universal Joint	7820S 5/8" Dbl. Hx. Skt.
9209S Handle Bar	7812S 3/8" Dbl. Hx. Skt.	7822S 11/16" Dbl. Hx. Skt.
9206S 5" Ext. Bar	7814S 7/16" Dbl. Hx. Skt.	7824S 3/4" Dbl. Hx. Skt.
9210S 10" Ext. Bar	7816S 1/2" Dbl. Hx. Skt.	

Standard Series — 1/2" Square Lock-On Drive

9506 Brace Handle	6616 1/2" Dbl. Hex Skt.	6628 7/8" Dbl. Hex Skt.
9810 Ratchet	6618 9/16" Dbl. Hex Skt.	6630 15/16" Dbl. Hex Skt.
9206 6" Extension	6619 19/32" Dbl. Hex Skt.	6632 1" Dbl. Hex Skt.
9210 10" Extension	6620 5/8" Dbl. Hex Skt.	8114 7/16" Dbl. Sq. Skt.
9209 Handle Bar	6621 21/32" Dbl. Hex Skt.	8116 1/2" Dbl. Sq. Skt.
9208 Hinged Offset	6622 11/16" Dbl. Hex Skt.	8118 9/16" Dbl. Sq. Skt.
8552 Screw Driver	6624 3/4" Dbl. Hex Skt.	8120 5/8" Dbl. Sq. Skt.
8502 Universal Joint	6625 25/32" Dbl. Hex Skt.	8124 3/4" Dbl. Sq. Skt.
6614 7/16" Dbl. Hex Skt.	6626 13/16" Dbl. Hex Skt.	9004 (2) Release Keys

Heavy Duty Series — 3/4" Square Lock-On Drive

69997 Sliding Offset	Sockets	Sockets
69995 8 1/2" Extension	60036 1 1/8" Dbl. Hex	60048 1 1/2" Dbl. Hex
69994 17" Extension	60040 1 1/4" Dbl. Hex	60056 1 3/4" Dbl. Hex
Sockets	60044 1 3/8" Dbl. Hex	60058 1 13/16" Dbl. Hex
60034 1 1/16" Dbl. Hex	60046 1 7/16" Dbl. Hex	

Short Box Type Wrenches		Spark Plug Sockets	
15176 3/8"x7/16"	Double Hex	8926 13/16"	Thin Wall Double Hex
15177 1/2"x9/16"	Double Hex	8928 7/8"	Thin Wall Double Hex
15178 5/8"x11/16"	Double Hex	8932 1"	Thin Wall Double Hex

No.		List Price
70RD Set,	70 pieces, complete in R case	$ 99.30
70WD Set,	same as above complete in W case....	110.30
R Case	only—23 1/4" long, 8 3/4" high, 11 1/4" wide....	16.00

Liberal Discount to Dealers and Mechanics

The "Big Chief" Chest

No. 87WD

HERE'S the most popular assortment of Blackhawk wrenches any mechanic can own. Eighty-seven mighty tools to handle a full range of repair work, big or small, delicate or tough.

It is a master mechanic's set. It includes ¼, ⅜, ½ and ¾ inch square drive series of tools plus popular tappets, open-ends and box-types.

Beautiful steel case with tote box and drawers keeps your tools in order and at your finger tips when needed. "Big Chief" Chest makes a swell "office" for the mechanic who aims to get ahead and make more money.

Contents of the 87WD

Extra Small Series — ¼" Square Drive

1521	Obstruction Offset
1523	Grip Handle
1525	Extension Bar
1506	3/16" Single Hex Socket
1507	7/32" Single Hex Socket
1508	¼" Single Hex Socket
1509	9/32" Single Hex Socket
1510	5/16" Single Hex Socket
1511	11/64" Single Hex Socket
1512	⅜" Double Hex Socket
1514	7/16" Double Hex Socket

Small Series — ⅜" Square "Lock-On" Drive

9510S Speeder Handle	8552S Screw Driver	7818S 9/16" Dbl. Hx Skt.
9207S Hinged Offset	8502S Universal Joint	7820S 5/8" Dbl. Hex Skt.
9209S Handle Bar	7812S ⅜" Dbl. Hx Skt.	7822S 11/16" Dbl. Hx Skt.
9206S 5" Ext. Bar	7814S 7/16" Dbl. Hx Skt.	7824S ¾" Dbl. Hx Skt.
9210S 10" Ext. Bar	7816S ½" Dbl. Hx Skt.	

Standard Series — ½" Square "Lock-On" Drive

9506 Brace Handle	6616 ½" Dbl. Hex Skt.	6628 7/8" Dbl. Hex Skt.
9810 Free W. Ratchet	6618 9/16" Dbl. Hex Skt.	6630 15/16" Dbl. Hex Skt.
8206 6" Extension	6619 19/32" Dbl. Hex Skt.	6632 1" Dbl. Hex Skt.
9210 10" Extension	6620 5/8" Dbl. Hex Skt.	8114 7/16" Dbl. Sq. Skt.
9209 Handle Bar	6621 21/32" Dbl. Hex Skt.	8116 ½" Dbl. Sq. Skt.
9208 Hinged Offset	6622 11/16" Dbl. Hex Skt.	8118 9/16" Dbl. Sq. Skt.
8552 Screw Driver	6624 ¾" Dbl. Hex Skt.	8120 5/8" Dbl. Sq. Skt.
8502 Universal Joint	6625 25/32" Dbl. Hex Skt.	8124 ¾" Dbl. Sq. Skt.
6614 7/16" Dbl. Hex Skt.	6626 13/16" Dbl. Hex Skt.	9004 (2) Release Keys

Heavy Duty Series — ¾" Square "Lock-On" Drive

69999 Ratchet	60036 1⅛" Dbl. Hx Skt.	60048 1½" Dbl. Hx Skt.
69997 Sliding Offset	60040 1¼" Dbl. Hx Skt.	60052 1⅝" Dbl. Hx Skt.
69995 8½" Extension	60044 1⅜" Dbl. Hx Skt.	60056 1¾" Dbl. Hx Skt.
69994 17" Extension	60046 1 7/16" Dbl. Hx Skt.	60058 1 13/16" Dbl. Hx Skt.
60034 1 1/16" Dbl. Hx Skt.		

Short Box Type Wrenches

15176	⅜"x 7/16" Double Hex
15177	½"x 9/16" Double Hex
15178	5/8"x 11/16" Double Hex

Long Box Type Wrenches

15182	5/8"x 11/16" Double Hex
15183	¾"x 25/32" Double Hex
15184	13/16"x 7/8" Double Hex

Tappet Wrenches (2 each)

422	½" & 9/16" Tappet
424	5/8" & 11/16" Tappet
426	¾" & 7/8" Tappet

Spark Plug Sockets

8926	13/16" Thin Wall Double Hex
8928	7/8" Thin Wall Double Hex
8932	1" Thin Wall Double Hex

Open-End Wrenches

1723	⅜" & 7/16" Open-End
1025	½" & 19/32" Open-End
1027C	9/16" & 11/16" Open-End
1028S	5/8" & 25/32" Open-End
1731A	¾" & 7/8" Open-End
1033C	15/16" & 1" Open-End

No.
87WD Set, Complete .....List Price $135.33
W Case Only, Complete with Tote Tray and Drawers; 27" long, 12" high, 13" wide.....List Price 30.00

The "BIG CHIEF" Chest

America's Finest Wrench Set

There's sterling quality in every one of its 87 gleaming wrenches and tools. They speak for themselves of speed-lines, rugged endurance, and efficiency. Their sterling workmanship foretells more work completed in less time — more silver in men's pockets. Blackhawk wrenches in Big Chief Sets lead the way to better jobs — Master Mechanic — Shop Foreman — Service Manager.

All sockets, handles, and attachments in ½ and ¾ inch series have the new BUILT-IN "Lock-On" feature. No release key necessary — a quick thumb motion releases the "Lock-On".

Mechanics, plan for the future, invest in Blackhawk wrench sets and earn your way to more money and better jobs.

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Wrench Set

NEW!

The Hundred and Five Chest

No. 105WD

HERE'S a super assortment of glistening Blackhawk wrenches for the mechanic who wants to prepare himself for anything that comes his way.

105 needed wrenches are included in this chest. No trick items, no fillers, no gadgets. Just necessary every day wrenches in socket, open-end and box-type styles.

Full range of sockets, $\frac{3}{16}$ of an inch to 2 inches. Includes stud setter, water pump pliers, universal joint sockets, spark plug sockets.

The Hundred and Five Chest is the finest set any mechanic can own. Beautiful W case with removable tote box, three drawers, a secret compartment. Name plate furnished free together with lock and key. Plenty of room for other tools too.

Every mechanic who is proud of his ability and looking for a better job will want to own the Hundred and Five WD.

What a workshop this is — 105 wrenches ready for action on any job, big or small.

Service men — this Blackhawk wrench chest will guarantee your job. The Boss wants his men to be equipped with modern tools to keep modern cars in tune.

The assortment is complete — the price is right — and leads the way to quicker, better, and more professional repair work.

Contents of the Hundred and Five WD

Includes the same assortment of wrenches shown in the 87WD Big Chief Chest on page 15, plus the following:

H10	$\frac{3}{16}$" & $\frac{7}{32}$" Ignition Open End	8560	Stud Setter & Extractor
H12	$\frac{1}{4}$" & $\frac{9}{32}$" Ignition Open End	8930	$\frac{13}{16}$" Spark Plug Socket
H14	$\frac{5}{16}$" & $\frac{11}{32}$" Ignition Open End	8936	$1\frac{1}{8}$" Spark Plug Socket
H16	$\frac{3}{8}$" & $\frac{7}{16}$" Ignition Open End	60064	2" Double Hex Socket
H18	$\frac{13}{32}$" & $\frac{15}{32}$" Ignition Open End	69998	Hinged Offset Handle
8516S	$\frac{1}{2}$" Dbl. Hex Univ. Jt. Skt.	15185	$\frac{13}{16}$" x 1" Box Type Wrench
8518S	$\frac{9}{16}$" Dbl. Hex Univ. Jt. Skt.	15399	$\frac{5}{8}$" x $\frac{9}{16}$" Half Moon Wrench
8520S	$\frac{5}{8}$" Dbl. Hex Univ. Jt. Skt.	12001	Water Pump Plier
9707S	Ratchet Wrch. ($\frac{3}{8}$" Sq. Dr.)	49999	Brace Handle

No.
105WD, Complete .....List Price **$168.35**
W Case Complete, 27" long, 12" high, 13" wide..List Price **30.00**

Liberal Discount to Dealers and Mechanics

The Junior Treasure Chest

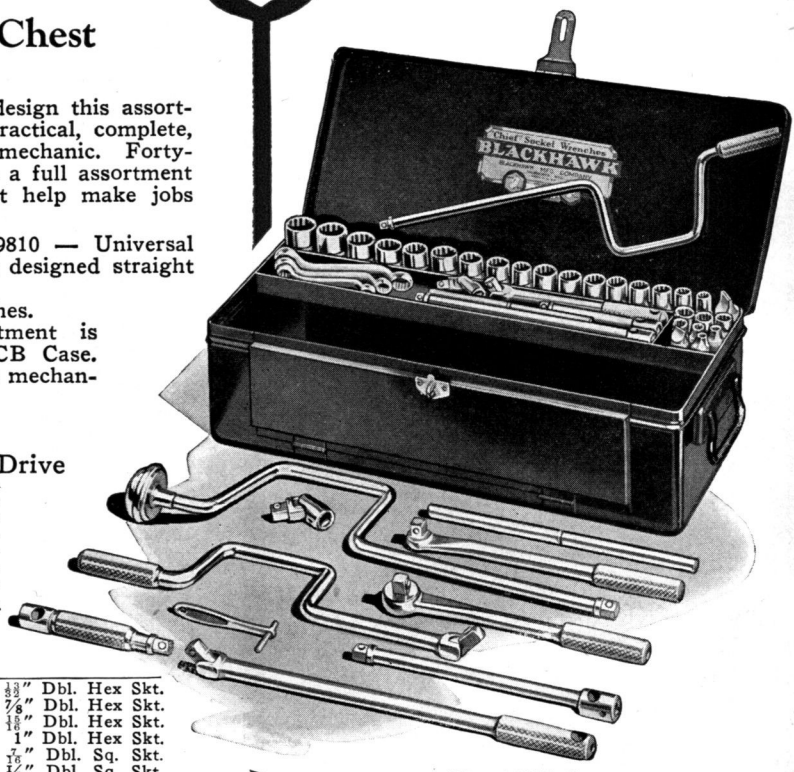
No. 45CB

EXPERT mechanics themselves helped design this assortment of Blackhawk Wrenches. It's practical, complete, and priced within the reach of every mechanic. Forty-six (46) beautiful chromium plated tools — a full assortment of our latest handles and attachments that help make jobs easier and more profitable.

Includes Free Wheeling Ratchet No. 9810 — Universal Offset Speeder No. 9507 — and the latest designed straight and thin walled sockets.

Also three popular size Box Type Wrenches.

The "Junior Treasure Chest" Assortment is packed in an attractive steel, drop-front CB Case. Nickeled name-plate furnished free with the mechanic's name.



No 45CB Set

Contents of Set:

Small Series 3/8" Square Lock-On Drive

9510S Brace Handle	7808S 1/4" Sgl. Hex Skt.	
9207S Hinged Offset	7810S 5/16" Sgl. Hex Skt.	
9209S Handle Bar	7812S 3/8" Dbl. Hex Skt.	
9206S 5" Extension	7814S 7/16" Dbl. Hex Skt.	
9210S 10" Extension	7816S 1/2" Dbl. Hex Skt.	
8502S Universal	7818S 9/16" Dbl. Hex Skt.	
8552S Screw Driver	7820S 5/8" Dbl. Hex Skt.	

Standard Series 1/2" Square Lock-On Drive

9611 Speeder	9004 Release Key	6626 13/32" Dbl. Hex Skt.	
9507 Universal Speeder	6614 7/16" Dbl. Hex Skt.	6628 7/8" Dbl. Hex Skt.	
9202 Obstruction Offset	6616 1/2" Dbl. Hex Skt.	6630 15/16" Dbl. Hex Skt.	
9208 Hinged Offset	6618 9/16" Dbl. Hex Skt.	6632 1" Dbl. Hex Skt.	
9209 Handle Bar	6619 19/32" Dbl. Hex Skt.	8114 7/16" Dbl. Sq. Skt.	
9810 Ratchet	6620 5/8" Dbl. Hex Skt.	8116 1/2" Dbl. Sq. Skt.	
9206 6" Extension	5621 21/32" Dbl. Hex Skt.	8118 9/16" Dbl. Sq. Skt.	
9260 10" Extension	6622 11/16" Dbl. Hex Skt.	8120 5/8" Dbl. Sq. Skt.	
8502 Universal	6624 3/4" Dbl. Hex Skt.	8124 3/4" Dbl. Sq. Skt.	
8552 Screw Driver	6625 25/32" Dbl. Hex Skt.		

Box Type Wrenches, 3/8" to 11/16", Nos. 15176, 15177 and 15178.

No.
45CB Complete .....List Price **$64.10**
CB Case Only, 20 1/2" long, 8 5/8" wide, 6 1/2" high....List Price **8.50**

No. 40CB Set

Similar to the No. 45CB but with 3/4" heavy duty series in place of 3/8" small series tools.

Contents of Set:

Standard Series—1/2" Square Lock-On Drive

Same as No. 45CB Chest.

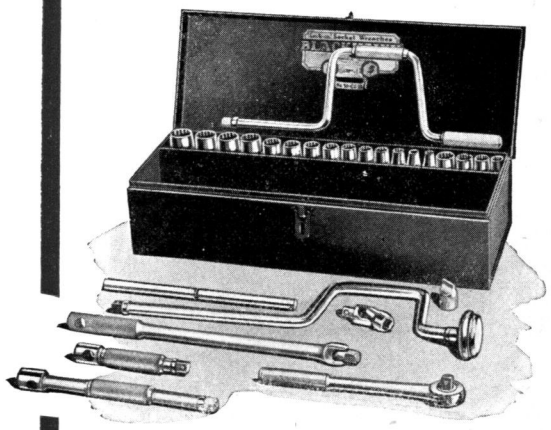
Heavy Duty Series—3/4" Square Lock-On Drive

69997 Sliding Offset	60036 1 1/8" Dbl. Hx Skt.	60048 1 1/2" Dbl. Hx Skt.
69995 8 1/2" Extension	60040 1 1/4" Dbl. Hx Skt.	60052 1 5/8" Dbl. Hx Skt.
69994 17" Extension	60044 1 3/8" Dbl. Hx Skt.	60056 1 3/4" Dbl. Hx Skt.
60034 1 1/16" Dbl. Hx Skt.	60046 1 7/16" Dbl. Hx Skt.	60058 1 13/16" Dbl. Hx Skt.

No.
40CB Complete .....List Price **$73.00**

No. 30CD Set

Demand of mechanics for the best in general automotive wrench assortments has made the No. 30CD the most popular wrench set available. Packed in a neat case to make the best looking bunch of tools any mechanic could want to own. Units in this set have standard 1/2" Square "Lock-On" Drive.



No. 30CD Set

Contents of Set:

9611 Speeder	8412 3/8" Dbl. Hex Skt.	8426 13/16" Dbl. Hex Skt.	
9506 Brace Handle	8414 7/16" Dbl. Hex Skt.	8428 7/8" Dbl. Hex Skt.	
9809 Ratchet	8416 1/2" Dbl. Hex Skt.	8430 15/16" Dbl. Hex Skt.	
9208 Hinged Offset	8418 9/16" Dbl. Hex Skt.	8431 31/32" Dbl. Hex Skt.	
9209 Handle Bar	8419 19/32" Dbl. Hex Skt.	8432 1" Dbl. Hex Skt.	
9206 6" Extension	8420 5/8" Dbl. Hex Skt.	8114 7/16" Dbl. Sq. Skt.	
9210 10" Extension	8422 11/16" Dbl. Hex Skt.	8116 1/2" Dbl. Sq. Skt.	
8502 Universal Joint	8424 3/4" Dbl. Hex Skt.	8118 9/16" Dbl. Sq. Skt.	
8552 Drag Link Socket	8425 25/32" Dbl. Hex Skt.	8120 5/8" Dbl. Sq. Skt.	

No.
30CD Set, Complete .....List Price **$36.55**
CA Case Only, 20 3/8" long, 7 3/8" wide, 5 1/2" high.....List Price **4.50**

Liberal Discount to Dealers and Mechanics

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Wrench Sets

No. 16ND Set

No. 16ND Ignition Set

A COMPLETE new assortment of extra small series socket wrenches, together with five miniature open-end wrenches for delicate work in close quarters. Ideal for repairs on relays, generators, starters, switches and radios; ice machines, oil burners, linotypes and similar precision instruments.

Packed in a convenient metal case N that fits into the pocket easily. It's at your finger-tips when needed.

Contents of Set:

1521	Obstruction Offset		1511	11/32" Single Hex Socket
1523	Grip Handle		1512	3/8" Double Hex Socket
1525	5" Extension		1514	7/16" Double Hex Socket
1506	5/16" Single Hex Socket		H10	5/16"x7/32" Open End
1507	7/32" Single Hex Socket		H12	1/4"x9/32" Open End
1508	1/4" Single Hex Socket		H14	5/16"x11/32" Open End
1509	9/32" Single Hex Socket		H16	3/8"x7/16" Open End
1510	5/16" Single Hex Socket		H18	11/32"x13/32" Open End

No.
16ND Set, Complete .....List Price $10.00
N Case Only, 5¼" long, 2⅜" wide, 1 3/16" high.....List Price 1.00

No. 11ND Set

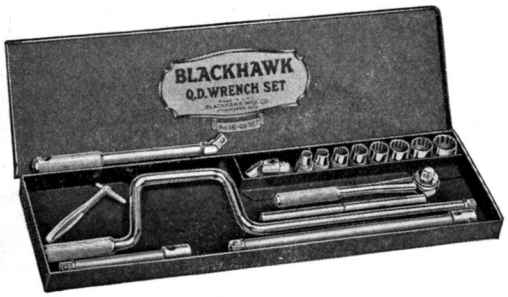
No. 11ND — Midget Set

Same as No. 16ND, without Open End Wrenches.

Contents of Set:

1521	Obstruction Offset		1509	9/32" Single Hex Socket
1523	Grip Handle		1510	5/16" Single Hex Socket
1525	5" Extension		1511	11/32" Single Hex Socket
1506	5/16" Single Hex Socket		1512	3/8" Double Hex Socket
1507	7/32" Single Hex Socket		1514	7/16" Double Hex Socket
1508	1/4" Single Hex Socket			

No.
11ND Set, Complete .....List Price $7.60
N Case Only, 5¼" long, 2⅜" wide, 1 3/16" high....List Price 1.00



No. 16QD Set

No. 16QD Set

A new small series set—up-to-the-minute in design and practicability. All sockets are new, thin-wall, straight type for minimum clearance. Includes the new "Free Wheeling" ratchet wrench. Oil burner, refrigerator service men and aeronautical mechanics will welcome the set. All units have 3/8" square Lock-On Drive.

Contents of Set:

9510S	Speeder Handle		7810S	5/16" Single Hex Socket
9707S	Ratchet		7812S	3/8" Double Hex Socket
9206S	5" Extension		7814S	7/16" Double Hex Socket
9210S	10" Extension		7816S	1/2" Double Hex Socket
9207S	Hinged Offset		7818S	9/16" Double Hex Socket
9209S	Handle Bar		7820S	5/8" Double Hex Socket
8502S	Universal Joint		7822S	11/16" Double Hex Socket
9004	Release Key		7824S	3/4" Double Hex Socket

No.
16QD Set, Complete .....List Price $21.60
Q Case Only, 18⅜" long, 5⅜" wide, 1 1/16" high.....List Price 3.10

Liberal Discount to Dealers and Mechanics

Chrome Vanadium - Chromium Plated Wrench Sets

BLACKHAWK WRENCHES

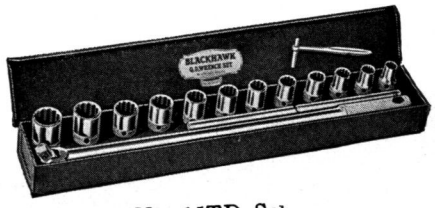
No. 15TD Set

WITH the increasing demands for thin wall sockets (straight wall type), this new Blackhawk set meets instant acceptance. A very careful selection of sockets and handles offers a practical combination for the mechanic who wants a compact assortment of the most popular wrenches. The new extra strong Blackhawk Thin Wall Sockets sneak into corners otherwise inaccessible.

Contents of Set

9217	18" Hinged Offset	6622	11/16" Double Hex Socket
9209	Handle Bar	6624	3/4" Double Hex Socket
6614	7/16" Double Hex Socket	6625	25/32" Double Hex Socket
6616	1/2" Double Hex Socket	6626	13/16" Double Hex Socket
6618	9/16" Double Hex Socket	6628	7/8" Double Hex Socket
6619	19/32" Double Hex Socket	6630	15/16" Double Hex Socket
6620	5/8" Double Hex Socket	6632	1" Double Hex Socket

No.
15TD Set, Complete .....List Price **$16.45**
T Case Only, 19⅛" long, 2¾" wide, 1⅞" high.....List Price **1.75**



No. 15TD Set

No. 17TD Set

Every mechanic not equipped with the larger, more complete Blackhawk sets will want this special set of Hinged Offset, Handle bar, release key and 14 of the most popular Double Hexagon socket drives. Units in this set have standard ½" square "Lock-On" drive. Packed in metal case T.

Contents of Set:

9217	18" Hinged Offset	8422	11/16" Double Hex Socket
9209	Handle Bar	8424	3/4" Double Hex Socket
8412	3/8" Double Hex Socket	8426	13/16" Double Hex Socket
8414	7/16" Double Hex Socket	8428	7/8" Double Hex Socket
8416	1/2" Double Hex Socket	8430	15/16" Double Hex Socket
8418	9/16" Double Hex Socket	8432	1" Double Hex Socket
8419	19/32" Double Hex Socket	8434	1 1/16" Double Hex Socket
8420	5/8" Double Hex Socket	8436	1⅛" Double Hex Socket

No.
17TD Set, Complete .....List Price **$16.70**
T Case Only, 19⅛" long, 2¾" wide, 1⅞" high.....List Price **1.75**

No. 17TD Set

No. 13PD Set

Similar to No. 17TD but with four less tools and in smaller case No. P. Contains one each 9207, 11⅝" Hinged Offset, 9209, 8412, 8414, 8416, 8418, 8419, 8420, 8422, 8424, 8428, 8430.

No.
13PD Set, Complete .....List Price **$10.95**
P Case Only, 11¼" long, 4" wide, 1⅞" high.....List Price **1.35**

No. 13PD Set

No. 12PD Set

An economical set of eleven pieces containing only the most essential tools for ordinary repairs. Its cost is low, but gives the mechanic a fine quality assortment. Packed in a compact metal case—it's handy to carry on the job. Units have ½" square "Lock-On" Drive.

Contents of Set:

9204	Sliding Offset	8418	9/16" Double Hex Socket
9811	Ratchet	8420	5/8" Double Hex Socket
9206	6" Extension	8422	11/16" Double Hex Socket
9260	10" Extension	8424	3/4" Double Hex Socket
8414	7/16" Double Hex Socket	8428	7/8" Double Hex Socket
8416	1/2" Double Hex Socket		

No.
12PD Set, Complete .....List Price **$13.60**
P Case Only, 11¼" long, 4" wide, 1⅞" high.....List Price **1.35**

No. 12PD Set

BLACKHAWK WRENCHES

Chrome Vanadium - Chromium Plated Wrench Sets

No. 12SD Set

No. 12SD — Heavy Duty Set

MECHANICS in truck and bus shops will welcome this handy set of heavy duty wrenches. You'll find a ready market for this set wherever powerful heavy duty tools are used. No chance of sockets slipping. All units have 3/4" Square "Lock-On" Drive. Set packed in handy metal case CA.

Contents of Set:

69998	Hinged Offset	60042	$1\frac{5}{16}$" Double Hex Socket
69996	Handle Bar	60044	$1\frac{3}{8}$" Double Hex Socket
60032	1" Double Hex Socket	60046	$1\frac{7}{16}$" Double Hex Socket
60034	$1\frac{1}{16}$" Double Hex Socket	60048	$1\frac{1}{2}$" Double Hex Socket
60036	$1\frac{1}{8}$" Double Hex Socket	60052	$1\frac{5}{8}$" Double Hex Socket
60040	$1\frac{1}{4}$" Double Hex Socket		

No.
12SD Set, Complete .....List Price $22.75
CA Case Only, $20\frac{1}{8}$" long, $7\frac{3}{8}$" wide, $5\frac{1}{2}$" high..List Price 4.50

No. 14BD Set

14BD Heavy Duty Set

These powerful heavy duty handles and sockets are just the tools needed on repair and assembly of trucks, tractor, combines, farm and power machinery, graders, pavers and other machine units. No chance of socket slipping from handle end for all units in this set have 3/4" square "Lock-On" drive.

All sockets double Hexagon. Contained in husky steel case, No. CA.

Contents of Set:

69999	Ratchet	60040	$1\frac{1}{4}$" Double Hex Socket
69997	Sliding Offset	60042	$1\frac{5}{16}$" Double Hex Socket
69995	$8\frac{1}{2}$" Extension	60044	$1\frac{3}{8}$" Double Hex Socket
69994	17" Extension	60046	$1\frac{7}{16}$" Double Hex Socket
60032	1" Double Hex Socket	60048	$1\frac{1}{2}$" Double Hex Socket
60034	$1\frac{1}{16}$" Double Hex Socket	60052	$1\frac{5}{8}$" Double Hex Socket
60036	$1\frac{1}{8}$" Double Hex Socket		

No.
14BD Set, Complete .....List Price $33.25
CA Case Only, $20\frac{1}{8}$" long, $7\frac{3}{8}$" wide, $5\frac{1}{2}$" high....List Price 4.50

No. 12ED Set

No. 12ED — Extra Heavy Duty Set

No nut or bolt too tough for this set. An industrial service and maintenance set designed to provide greatest strength and utility. All units have 1" Square "Lock-On" Drive.

Large socket range and practical handles, ratchet and extensions adapt this set to unusual requirements. Ideal for machinery installation, industrial Diesel service, oil and mine equipment, etc. Positive "Lock-On" feature insures safety and prevents sockets and attachments from falling off.

Contents of Set:

89999	Ratchet	80046	$1\frac{7}{16}$" Single Hex Socket
89998	Offset Adaptor Head	80052	$1\frac{5}{16}$" Single Hex Socket
89997	Handle Bar for 89998	80058	$1\frac{13}{16}$" Single Hex Socket
89996	9" Extension	80064	2" Single Hex Socket
89995	18" Extension	80070	$2\frac{3}{16}$" Single Hex Socket
80040	$1\frac{1}{4}$" Single Hex Socket	80076	$2\frac{3}{8}$" Single Hex Socket

This set finished in cadmium.

No.
12ED Set, Complete .....List Price $71.20
E Case Only, $23\frac{1}{2}$" long, 7" wide, $4\frac{1}{4}$" high.....List Price 9.00

Chrome Vanadium - Chromium Plated Box Type Wrenches

NOTE their comfortable grip — accurate balance — lightness — toughness — clean broach — slim heads to get into small quarters and over or under obstructions.

Double Offset — Short

No.	Socket Openings	Length	Price	No.	Socket Opening	Length	List Price
2780	3/8" x 7/16"	4 1/2"	$0.80	*2782	9/16" x 5/8"	6"	$1.00
2781	1/2" x 9/16"	5 1/4"	.90	2784	11/16" x 3/4"	7 1/2"	1.40

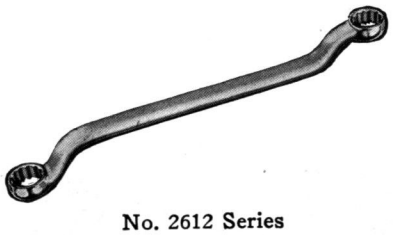
* For tire valve and battery work.

No. 2780 Series

Double Offset — Long

2612	3/8" x 7/16"	7 7/8"	$0.85	2624	3/4" x 13/16"	12"	$1.35
2616	1/2" x 9/16"	9 1/8"	.95	2625	3/4" x 25/32"	12 1/4"	1.35
2619	13/32" x 11/16"	10 9/16"	1.15	2628	7/8" x 15/16"	14"	1.65
2620	5/8" x 11/16"	10 9/16"	1.15	2630	15/16" x 1 1/16"	16 1/4"	2.80
*2675	5/8" x 3/4"	14 1/2"	2.60	2632	1" x 1 1/16"	16 1/4"	2.80
*2676	11/16" x 3/4"	14 1/2"	2.60	2636	1 3/8" x 1 1/4"	16 1/4"	3.60

*Special thin wall design to fit Chevrolet main bearings. See page 33.



No. 2612 Series

Single Offset — Long

Same size double hexagon socket openings at each end.

2912	3/8"	7 1/8"	$1.30	2922	11/16"	10 5/8"	$1.70
2914	7/16"	8 3/16"	1.35	2924	3/4"	11 5/8"	1.80
2916	1/2"	8 3/4"	1.40	2925	25/32"	12 3/4"	1.90
2918	9/16"	9 1/8"	1.50	2926	13/16"	12 3/4"	1.90
2919	13/32"	9 1/4"	1.60	2928	7/8"	13 13/16"	2.10
2920	5/8"	9 1/2"	1.60	2930	15/16"	14 3/16"	2.30

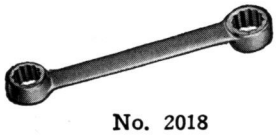
No. 2912 Series

Battery Wrench

Cadmium Plated

For battery terminals, starters, generators, etc.

2018	9/16" x 5/8"	6"	$0.80



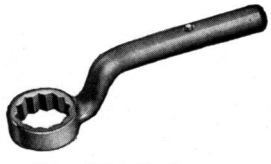
No. 2018

Stub End Box Type Wrenches

Cadmium Plated

Part No.	Size Opening Double Hex.	Use Tubular Handle No.	List Price	Part No.	Size Opening Double Hex.	Use Tubular Handle No.	List Price
2336	1 1/8"	2304	$3.35	2350	1 9/16"	2306	$6.00
2340	1 1/4"	2304	3.35	2352	1 5/8"	2308	7.25
2342	1 5/16"	2304	3.35	2356	1 3/4"	2308	7.60
2344	1 3/8"	2306	5.60	2358	1 13/16"	2308	7.75
2346	1 7/16"	2306	5.60	2364	2"	2308	9.00
2348	1 1/2"	2306	6.00				

Shank diameter of each wrench is same as inside diameter of recommended tubular handle.

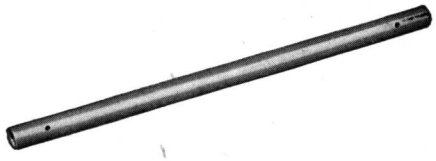


No. 2336 Series

Tubular Handles For Above

Cadmium Plated

Part No.	Handle Length	Assembled Overall Length	Outside Dia.	Inside Dia.	List Price
2304	18"	24"	7/8"	11/16"	$2.90
2306	24"	35"	1 1/16"	7/8"	4.60
2308	30"	41"	1 1/4"	1"	6.25



Tubular Handles for Stub Ends

BLACKHAWK WRENCHES

New!

GREAT NEWS! Blackhawk announces this full line of low-priced wrenches and wrench sets. They are okey — these OK tools.

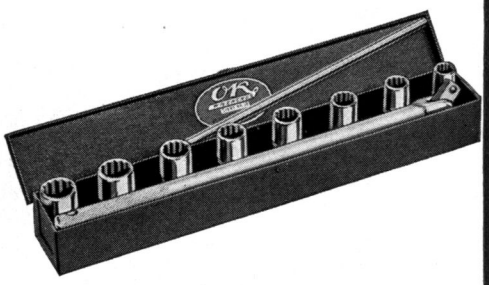
MECHANICS! — here are good tools at a good price.

DEALERS! — real business for you selling OK's to car owners and farmers.

TRUCKERS! — equip each truck with an OK service kit — save road delays.

Quality steel and workmanship throughout. OK's are made by Blackhawk and carry the same reputation and guarantee.

And Finish! — it's new glittering Silver-Satin. Polished and buffed, these OK wrenches shine like stars in their sky blue cases.



No. OK10

No. OK10

An ideal service kit for the car owner, farmer, or beginning mechanic. There is a big market for this handy kit and plenty of uses for its popular tools.
Packed in handy steel case 2 1/8" wide, 1 7/8" high, 15 1/8" long.

Contents of Set:

D16	1/2" Double Hex Socket	D24	3/4" Double Hex Socket
D18	9/16" Double Hex Socket	D26	13/16" Double Hex Socket
D20	5/8" Double Hex Socket	D28	7/8" Double Hex Socket
D21	21/32" Double Hex Socket	T114	14" Hinged Offset
D22	11/16" Double Hex Socket	T115	3/8" Dia. x 10 1/2" Long Bar

No.
OK10 Set Complete, List Price $6.05

No. OK20

No. OK20

The next step for growing mechanics who are building towards complete tool equipment. It includes all necessary sockets and a careful selection of speed handles for average work.

Truckers — here's a set for your rolling stock.

Packed in sturdy steel case 6 3/4" wide, 1 7/8" high, 16" long.

Contents of Set:

D14	7/16" Double Hex Socket	D32	1" Double Hex Socket
D16	1/2" Double Hex Socket	016	1/2" Double Square Socket
D18	9/16" Double Hex Socket	018	9/16" Double Square Socket
D20	5/8" Double Hex Socket	020	5/8" Double Square Socket
D21	21/32" Double Hex Socket	T1	Tie Rod Attachment
D22	11/16" Double Hex Socket	T2	Universal Joint
D24	3/4" Double Hex Socket	T4	Sliding Tee
D26	13/16" Double Hex Socket	T10	10" Extension
D28	7/8" Double Hex Socket	500	Brace
D30	15/16" Double Hex Socket	911X	Ratchet

No.
OK20 Set Complete, List Price $14.30

Liberal Discount to Dealers and Mechanics

SOCKETS are STRAIGHT WALL design for close clearance — carefully broached (no chatter marks here) — and tough to tackle any job.

Handles and attachments are trim, tried, and true. Balanced for speed work — designed for efficiency — and built to last. See following pages.

Every tool in the OK series has been selected for necessary work on cars, trucks, buses, and farm machinery. You'll find no "fillers" nor trick items — they're all okey.

All OK's have ½" square drive. Socket range — 3/8" to 1¼" both double Hex and double Square. Four popular set assortments described on these pages.

No. OK30

This is a swell assortment of 30 tools with a full range of sockets, both double Hex and double Square, with speeders, handles, ratchets, offset, extensions to handle practically all repair work on cars, big or small.

Packed in sturdy steel case 8¾" wide, 2⅝" high, 20" long.

Contents of Set:

D12	3/8" Dbl. Hex Socket	D34	1 1/16" Dbl. Hex Socket
D14	7/16" Dbl. Hex Socket	D36	1⅛" Dbl. Hex Socket
D16	½" Dbl. Hex Socket	D40	1¼" Dbl. Hex Socket
D18	9/16" Dbl. Hex Socket	014	7/16" Dbl. Sq. Socket
D19	19/32" Dbl. Hex Socket	016	½" Dbl. Sq. Socket
D20	5/8" Dbl. Hex Socket	018	9/16" Dbl. Sq. Socket
D21	21/32" Dbl. Hex Socket	020	5/8" Dbl. Sq. Socket
D22	11/16" Dbl. Hex Socket	024	¾" Dbl. Sq. Socket
D24	¾" Dbl. Hex Socket	T1	Tie Rod Attachment
D25	25/32" Dbl. Hex Socket	T2	Universal Joint
D26	13/16" Dbl. Hex Socket	T10	10" Extension
D28	⅞" Dbl. Hex Socket	T114	14" Hinged Offset
D30	15/16" Dbl. Hex Socket	T115	3/8" x 10½" Handle Bar
D31	31/32" Dbl. Hex Socket	508	Speeder
D32	1" Dbl. Hex Socket	911X	Ratchet

No.
OK30 Set Complete, List Price $20.50

No. OK30

No. OK40

A master mechanic's set with all sockets, handles, and attachments in the OK series plus box-types and spark plug wrenches. It is a service shop in itself to handle work from soup to nuts.

Packed in sturdy steel case 8¾" wide, 2⅝" high, 20" long.

Contents of Set:

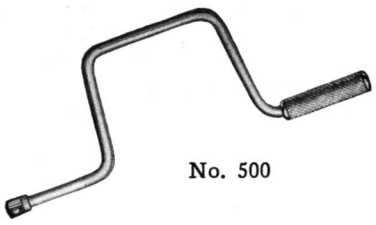
D12	3/8" Dbl. Hex Socket	024	¾" Dbl. Sq. Socket
D14	7/16" Dbl. Hex Socket	026	13/16" Dbl. Sq. Socket
D16	½" Dbl. Hex Socket	028	⅞" Dbl. Sq. Socket
D18	9/16" Dbl. Hex Socket	T1	Tie Rod Attachment
D19	19/32" Dbl. Hex Socket	T2	Universal Joint
D20	5/8" Dbl. Hex Socket	T10	10" Extension
D21	21/32" Dbl. Hex Socket	T114	14" Hinged Offset
D22	11/16" Dbl. Hex Socket	T115	3/8" x 10½" Handle Bar
D24	¾" Dbl. Hex Socket	508	Speeder
D25	25/32" Dbl. Hex Socket	911X	Ratchet
D26	13/16" Dbl. Hex Socket		
D28	⅞" Dbl. Hex Socket		Box-types
D30	15/16" Dbl. Hex Socket	15399	9/16" x 5/8" Half Moon
D31	31/32" Dbl. Hex Socket	15176	3/8" x 7/16" Shrt. Dbl. Off.
D32	1" Dbl. Hex Socket	15177	½" x 9/16" Shrt. Dbl. Off.
D34	1 1/16" Dbl. Hex Socket	15178	5/16" x 11/16" Shrt. Dbl. Off.
D36	1⅛" Dbl. Hex Socket		
D40	1¼" Dbl. Hex Socket		Spark Plug Wrenches
012	3/8" Dbl. Sq. Socket	3327	13/16" Hex
014	7/16" Dbl. Sq. Socket	3329	⅞" x 1" Hex
016	½" Dbl. Sq. Socket	3731	15/16" x 1⅛" Hex
018	9/16" Dbl. Sq. Socket		
020	5/8" Dbl. Sq. Socket		

No.
OK40 Set Complete, List Price $27.10

No. OK40

BLACKHAWK WRENCHES

New!

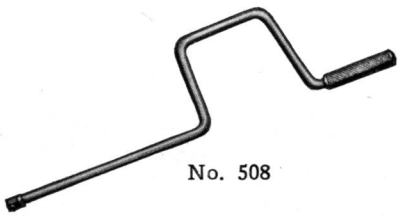


No. 500

Brace Handle

A NUT TWISTER that puts pep and power in every job. Has wide sweep and comfortable knurled end grip. Every mechanic needs it.

No.	Stock Dia.	Length	Shank Length	Sweep	Square Drive	List Price
500	½"	15⅝"	4⅞"	4¾"	½"	$1.30



No. 508

Speeder

Long shank, comfortable revolving grip and efficient sweep. The speediest of speeders. Saves time on all repair jobs.

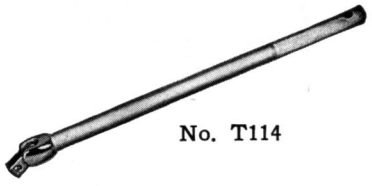
508	½"	19"	8½"	4¾"	½"	$1.40

No. 110X

Offset Handle

A sturdy nut fighter that thrives on tough nuts of all kinds. Built for power — and can give it. Comfortable knurled grip saves your hands, and stays with you on hard pulls.

No.	Stock Dia.	Length	Square Drive	List Price
110X	⅝"	10 9/16"	½"	$1.00

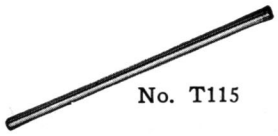


No. T114

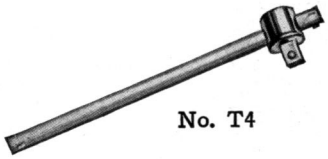
Hinged Offset Handle

As handy a handle as you can find. Needed wherever there's corners to get around. Used with T115 cross bar to make T or L wrench. It's a honey!

T114	⅝"	14"	½"	$2.25
T115	⅜"	10½"		.35



No. T115

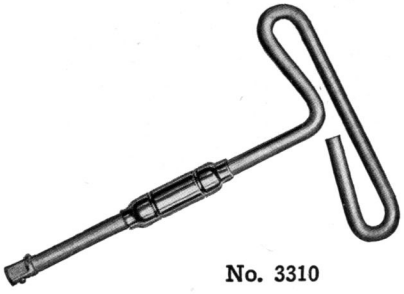


No. T4

Sliding Tee

The mechanic's pal — does a thousand and one tasks, making the tough going easy. Handle slides freely through socket head. Use it with an extension to make either a T or L Handle.

T4	9/16"	10¼"	½"	$1.00



No. 3310

Tee Handle

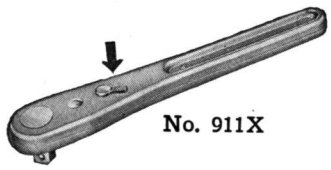
A fast and furious nut twister — the mechanic's favorite wrench. Swivel grip and 7¼" handle speeds it up. It's a time saver — important these days.

3310	½"	12"	½"	$1.00

Ratchet Wrench

FOR fast action in close quarters — and long leverage to jerk nuts loose or set them home. And two new features — instantly reversed by flipping lever conveniently located on top of handle. Not necessary to remove socket nor shift lug. And number of teeth increased from 14 to 18 giving smoother action and shorter bites in close quarters.

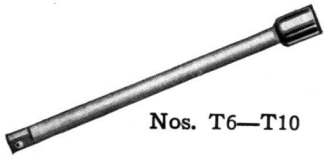
No.	Length	Square Drive	List Price
911X	10″	½″	$2.75



No. 911X

Replacement Drive Lugs for Ratchets

No.	Square Drive	For Use With	List Price
T13	½″	Old 911X	$0.35
T13X	¾″	916	.70

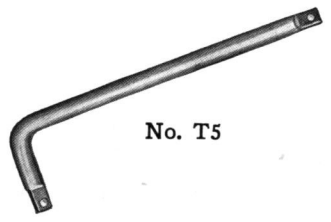


Nos. T6—T10

Extension Bars

No mechanic's kit is complete without these bars. They reach down in where regular handles fall short. Two useful lengths — 6″ and 10″.

No.	Stock Dia.	Length	Square Drive	List Price
T6	5/8″	6″	½″	$0.85
T10	5/8″	10″	½″	1.00

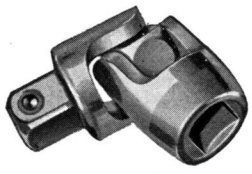


No. T5

Double End Offset

Does tricks on both ends — each equipped with ½″ square drive. Makes a long or short L offset.

T5	31/32″	3 x 10″	½″	$0.75



No. T2

Universal Joints

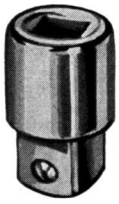
No.	Series	Male End	Square Drive	List Price
T2	Standard	½″ sq.	½″ sq.	$1.65

Nos. T1

Tie Rod and Screw Driver Attachment

For ordinary car work, ½″ Square Drive. Size of blade 15/16″ x 7/64″.

No.
T1— .....List Price $0.50



No. T7X Series

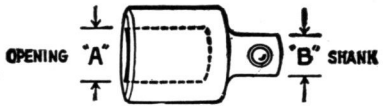
Adaptors

Provide an inexpensive means of increasing or decreasing square shank size to accommodate various square socket openings.

Adaptor Number	Square Opening "A"	Used on Handles to	Square Shank "B"	List Price
T7X	5/8″	Increase to	¾″	$0.90
69992	½″	Increase to	¾″	1.10
T7	¾″	Decrease to	5/8″	.90
T9	¾″	Decrease to	½″	.85
*69991	¾″	Decrease to	½″	1.20
*T013XX	7/8″	Decrease to	¾″	1.40

*Ratchet drive adaptors.

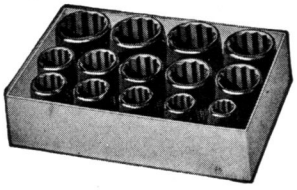
Nos. 69991
T013XX



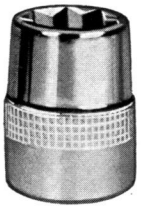
Adaptor

To determine socket size—last two figures in each socket number indicates size in 32nds of an inch. Example: No. D14 indicates 14/32" or 7/16".

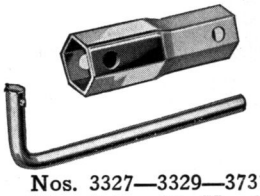
No. D14 Series



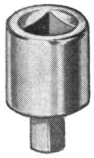
No. 14Z



No. 012 Series



Nos. 3327—3329—3731
Complete with Handle



No. 710 Series

BUILT to stand the gaff. Proper depth and thickness of wall in each socket to take the fight out of the toughest nut. Note the NEW straight wall design and beauty of finish — It's Silver-Satin.

Standard Series Double Hexagon Sockets

1/2" Square Drive

Socket No.	Socket Size, in.	List Price	Socket No.	Socket Size, in.	List Price
D12	3/8	$0.30	D25	25/32	$0.45
D14	7/16	.35	D26	13/16	.45
D16	1/2	.35	D28	7/8	.45
D18	9/16	.40	D30	15/16	.55
D19	19/32	.40	D31	31/32	.55
D20	5/8	.45	D32	1	.55
D21	21/32	.45	D34	1 1/16	.60
D22	11/16	.45	D36	1 1/8	.65
D24	3/4	.45	D40	1 1/4	.70

Double Hex Socket Set

1/2" Square Drive

No. 14Z contains fourteen double hexagon (12 point) sockets packed in fibre box. One each of all Nos. from D14 to D32 — 7/16" to 1".

No.
14Z— Set in fibre box .....List Price $6.30

Standard Series Square Sockets

1/2" Square Drive

Socket No.	Socket Size, in.	List Price	Socket No.	Socket Size, in.	List Price
012	3/8	$0.35	025	25/32	$0.50
014	7/16	.35	026	13/16	.50
016	1/2	.35	028	7/8	.50
018	9/16	.40	030	15/16	.60
019	19/32	.40	032	1	.60
020	5/8	.45	034	1 1/16	.70
022	11/16	.50	040	1 1/4	.75
024	3/4	.50			

Spark Plug Sockets

No.		List Price
3327—	For all 13/16" hexagon spark plugs—including handle.....	$0.60
3329—	For all 7/8" and 1" hexagon spark plugs—including handle..	.60
3731—	For all 15/16" and 1 1/8" hexagon spark plugs—including handle	.60

Square Drain Plugs

1/2" Square Drive

Complete series to fit all female drain plugs on transmissions, oil pans, differentials, shock absorbers, etc.

Part No.	Size Plug	List Price	Part No.	Size Plug	List Price
710	5/16" Sq.	$0.35	718	9/16" Sq.	$0.35
712	3/8" Sq.	.35	720	5/8" Sq.	.35
714	7/16" Sq.	.35	724	3/4" Sq.	.35
716	1/2" Sq.	.35			

Selected Steel-Cadmium Plated Tire Service Tools

For Service Stations, Garages and Car Owners

BLACKHAWK WRENCHES

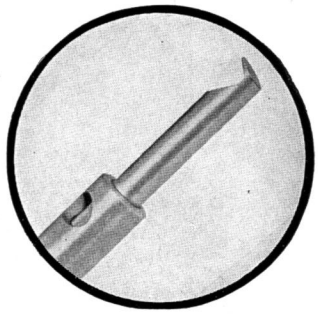
Telescopic Hub Cap and Rim Wrench

A CLEVER new car-owner wrench designed for speed, leverage, and convenience. Compact in construction with a detachable cross bar that fits into the hollow handle when not in use. Spring-backed ball in middle of cross bar holds it in place and prevents rattling. Takes up little room under the seat or in the tool box.

One end of handle has special design for removing hub caps (see close-up view) — a handy feature.

Made with the most popular sized opening — ¾" Hex. Overall length of shank and handle, each 9".

No.
5524—Complete. List price $0.95



Above shows cross bar nested in shank of wrench. Whole wrench takes only 11" x 1" space when not in use.

Car Owner Rim Wrenches

A practical series of popularly priced rim wrenches. Ideal for car owners, service stations, car wreckers and replacements. Thin socket walls sneak in to reach lug nuts on all new style hubs.

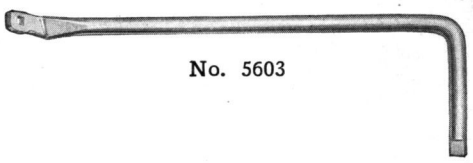
No.	Socket Size	Stock Dia.	Shank Length	Sweep	List Price
5220	5/8"	1/2"	5¾"	4⅞"	$0.50
5222	11/16"	1/2"	5¾"	4⅞"	.50
5224	¾"	1/2"	5¾"	4⅞"	.50
5226	13/16"	1/2"	5¾"	4⅞"	.50
5228	⅞"	1/2"	5¾"	4⅞"	.50

No. 5220 Series

Kelsey-Hayes and C. W. C. Rim Tools

Indispensable in the tire shop — a time and labor saver. Diameter of handle, 5/8"; length, 20"; C. W. C. End Offset, 4¼" with 9/32 x 19/32" shank. K-H End has 3/8" oversized square opening for easy fit.

No.
5603—List Price, each $1.50

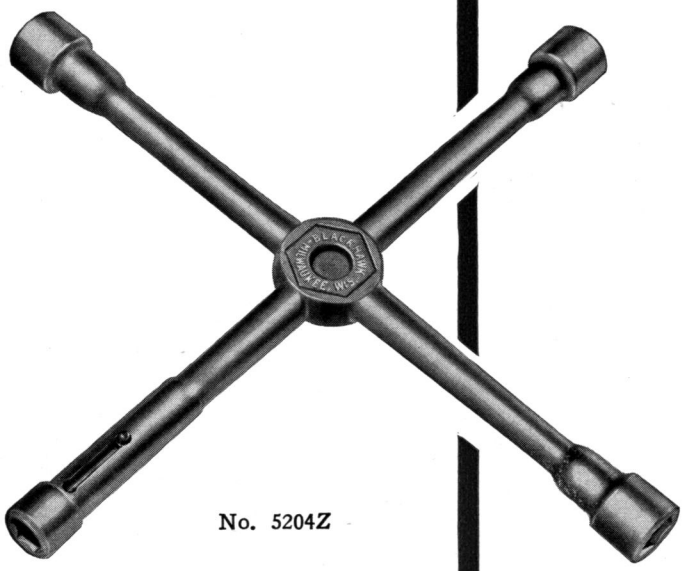


No. 5603

BLACKHAWK WRENCHES

Selected Steel-Cadmium Plated Tire Service Tools

For Service Stations and Garages



No. 5204Z

New Cross-Type Rim Wrench with Hub Cap Puller

HERE'S a new universal cross type rim wrench that makes easy work of removing nuts on all tire changes. Extra deep socket construction (see illustration Page 29) takes all nuts. even with extended bolts.

Bell-shaped sockets sneak in where rim nuts are close to the hub wall.

One socket has built-in spring-backed hub cap puller that slides out easily when released by pressing button (see illustration). When not in use, plunger is pushed in and locked, permitting use of the socket.

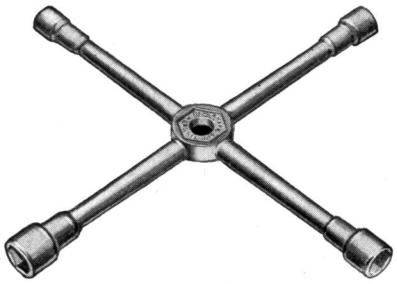
Wrench is 14½" overall — plenty of length for leverage. Diameter of handle ⅝" — depth of sockets 1⅝".

Socket sizes, ⅝", ¾", 13/16" and ⅞" Hexagon.

No.
5204Z .....List price, $4.00

Here's how the hub cap puller on the 5204Z and 5524 operates. Simply fit edge behind cap—and pull. Screw driver doesn't fit because of deeply recessed hub cap.

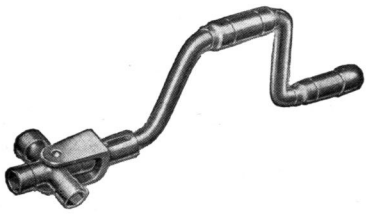
Standard Cross-Type Wrench



No. 5204X—The master of all rim nut jobs. Equipped with extra deep sockets to get both nuts on tire carriers. Will handle any rim nut job whether wood, disc, or wire wheels. Put one of these in the hands of a prospect and the sale is made. Special over all length of 14½" gives all the clearance needed. Diameter of handle ⅝" — Depth of sockets 1⅝".

Socket Sizes 5/8" — 3/4" — 13/16" — ⅞" Hexagon

No.
5204X.....List price, $3.25



No. 5104

Universal Rim Wrench

No. 5104 — This heavy duty service tool has quadruple drop-forged sockets. Sockets revolve in patented head — locked securely in place by simply snapping wrench head back on handle end. Desired socket in place instantly. Can be used for leverage as well as speed — built to stand severe strain.

Socket Sizes 5/8" — 11/16" — 3/4" — ⅞" Hexagon

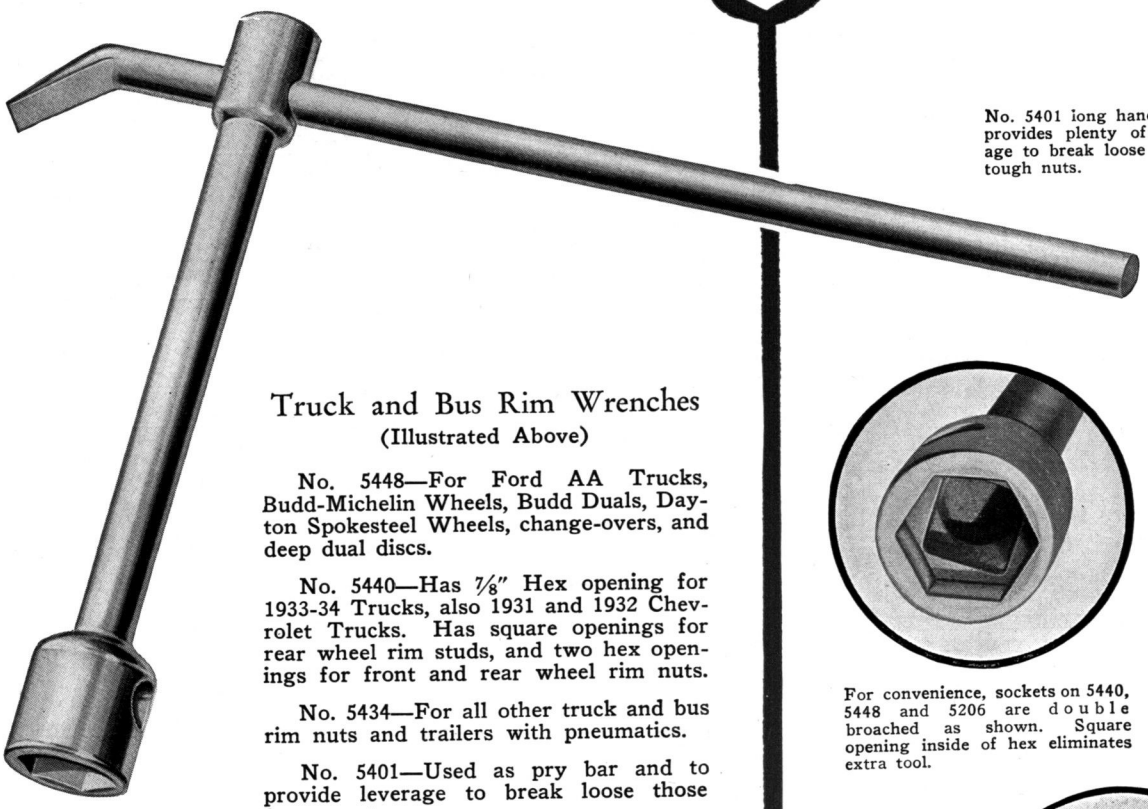
No.
5104.....List price, $2.75

Liberal Discount to Dealers and Mechanics

Selected Steel-Cadmium Plated Tire Service Tools

For Trucks and Buses

BLACKHAWK WRENCHES



No. 5401 long handle bar provides plenty of leverage to break loose or set tough nuts.

Truck and Bus Rim Wrenches

(Illustrated Above)

No. 5448—For Ford AA Trucks, Budd-Michelin Wheels, Budd Duals, Dayton Spokesteel Wheels, change-overs, and deep dual discs.

No. 5440—Has 7/8" Hex opening for 1933-34 Trucks, also 1931 and 1932 Chevrolet Trucks. Has square openings for rear wheel rim studs, and two hex openings for front and rear wheel rim nuts.

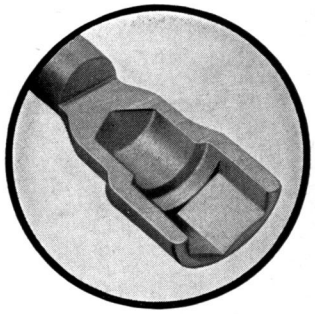
No. 5434—For all other truck and bus rim nuts and trailers with pneumatics.

No. 5401—Used as pry bar and to provide leverage to break loose those frozen nuts.

No.	Socket Sizes	Stock Dia.	Length	List Price
*5448	13/16" Sq., 1 1/8" & 1 1/2" Hex	7/8"	14 1/2"	$3.00
*5440	5/8" Sq., 7/8" & 1 1/4" Hex	7/8"	14 1/2"	2.60
*5434	1 1/16" & 1 3/16" Hex	7/8"	14 1/2"	2.15
5401	Pry Bar only	3/4"	20"	1.40

*Does not include No. 5401 Pry Bar.

For convenience, sockets on 5440, 5448 and 5206 are double broached as shown. Square opening inside of hex eliminates extra tool.



Sockets of 5204X, 5204Z and 5206 are bell-shaped with extra deep broach as shown. Plenty of room to take long bolts on tire carriers, etc.

Universal Truck Rim Wrench

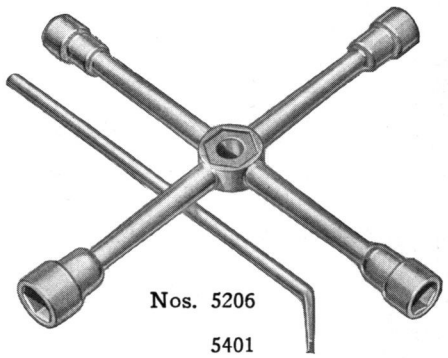
(Cross Type with 6 Socket Sizes)

A RIM tool that will handle 90% of all truck rim nuts, including latest model Ford and Chevrolet Trucks. A powerful tool, 3/4" dia. shanks with an over all length of 23". Equipped with hole through center for use of No. 5401 pry bar to provide added leverage.

Socket sizes—7/8", 1 1/16", 1 1/4", 1 1/2" Hexagon, 5/8" and 13/16" Square.

Back of 1 1/4" Hex socket is broached 13/16" square for Model AA Ford and Budd-Michelin Rims. Back of 7/8" Hex socket is 5/8" square for 1931-32 Chevrolet Truck rims.

No.		
5206	Without No. 5401 Pry Bar	List Price, $8.00
5401	Pry Bar	List Price, 1.40



Nos. 5206

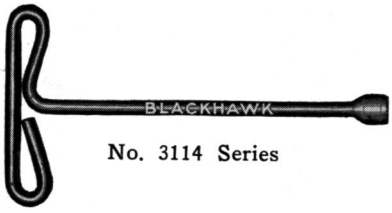
5401

BLACKHAWK WRENCHES

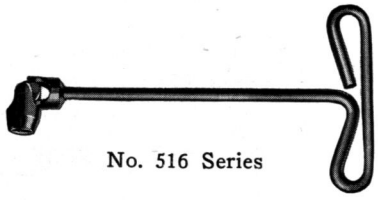
Selected Steel - Cadmium Plated Solid Type Wrenches

No. 6114 Series

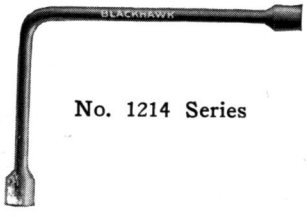
No. 616 Series



No. 3114 Series



No. 516 Series



No. 1214 Series

No. 2214 Series

Speeders

Snap up work on Oil Pans, Timing Gears and Transmission Covers, Cylinder Head Screws, Rim Nuts, etc.

No.	Socket Size	Stock Dia.	Length	Shank Length	Price
6114	7/16"	1/2"	19 3/8"	11"	$0.75
6116	1/2"	1/2"	19 3/8"	11"	.75
6118	9/16"	1/2"	19 3/8"	11"	.75
6120	5/8"	1/2"	19 3/8"	11"	.75
6124	3/4"	1/2"	19 3/8"	11"	.75
6128	7/8"	1/2"	19 3/8"	11"	.75

Universal Joint Speeders

For Intake and Exhaust Manifolds, Starting Motors, Generator Mounts, etc.

616	1/2"	1/2"	20 5/8"	12"	$0.95
618	9/16"	1/2"	20 5/8"	12"	.95
620	5/8"	1/2"	20 5/8"	12"	.95
622	11/16"	1/2"	20 5/8"	12"	.95
624	3/4"	1/2"	20 5/8"	12"	.95
626	13/16"	1/2"	20 5/8"	12"	.95
628	7/8"	1/2"	20 5/8"	12"	.95

Long Tees

Indispensable for special jobs.

No.	Size Hex. Socket	Stock Dia.	Length	Price
3114	7/16"	1/2"	12"	$0.50
3116	1/2"	1/2"	12"	.50
3118	9/16"	1/2"	12"	.50
3120	5/8"	1/2"	12"	.50
3122	11/16"	1/2"	12"	.50
3124	3/4"	1/2"	12"	.50

Universal Joint Tees

A dandy for Waterpump Mounting, Fender and Body Bolts, etc.

516	1/2"	1/2"	12"	$0.90
518	9/16"	1/2"	12"	.90
520	5/8"	1/2"	12"	.90
524	3/4"	1/2"	12"	.90

L Type Wrenches

A double purpose wrench every mechanic needs. It goes after 'em.

1214	7/16"-1/2"	1/2"	7"x10"	$0.65
1216	1/2"-9/16"	1/2"	7"x10"	.65
1218	9/16"-5/8"	1/2"	7"x10"	.65
1220	5/8"-11/16"	1/2"	7"x10"	.65
1224L	3/4"-7/8"	1/2"	7"x10"	.65

Z Type Wrenches

Mechanics need this where the going is tough.

2214	7/16"-1/2"	1/2"	10"	$0.65
2216	1/2"-9/16"	1/2"	10"	.65
2218	9/16"-5/8"	9/16"	10"	.65
2220	5/8"-11/16"	9/16"	10"	.65
2224	3/4"-7/8"	5/8"	10"	.65

Liberal Discount to Dealers and Mechanics

Selected Steel - Cadmium Plated Solid Type Wrenches

BLACKHAWK WRENCHES

Single Socket Offsets

Handy for close quarters — has a hundred uses.

No.	Hexagon Socket Sizes	Stock Dia.	Length	Price
1114	7/16"	1/2"	7"	$0.45
1116	1/2"	1/2"	7"	.45
1118	9/16"	1/2"	7"	.45
1120	5/8"	1/2"	7"	.45
1122	11/16"	1/2"	7"	.45
1124	3/4"	1/2"	7"	.45
1125	25/32"	1/2"	7"	.45
1128	7/8"	1/2"	7"	.45

No. 1114 Series

Curved Handle—Offset

No.	Double Hex Sizes	Stock Dia.	Length	Price
1318	9/16"	3/8"	6 1/4"	.45

No. 1318

Hammer Head Wrenches

Double socket offset — strong and powerful. All popular openings.

No.	Hexagon Socket Sizes	Stock Dia.	Length	Price
1416	7/16"- 1/2"	7/16"	6"	$0.60
1618	1/2"- 9/16"	1/2"	6 3/4"	.60
1820	9/16"- 5/8"	1/2"	7 1/2"	.60
4218	9/16"- 3/4"	9/16"	10"	.75
2422	3/4"- 11/16"	9/16"	9 1/4"	.75
2830	7/8"- 15/16"	5/8"	10 3/4"	.75
3432	1" -1 1/16"	5/8"	12 1/4"	.95
3640	1 1/8"-1 1/4"	11/16"	13"	.95

No. 1416 Series

Triple Socket Offsets

No. 4320—Handy for Fords, Chevrolets and Pontiacs.

No. 4330—Can't be beat for spring shackles, spring clip nuts, steering assemblies, etc.

No.	Hexagon Socket Sizes	Stock Dia.	Length	Price
4320	1/2"-5/8"-5/8"	1/2"	10"	$0.65
4330	11/16"-7/8"-15/16"	5/8"	12 1/2"	.75

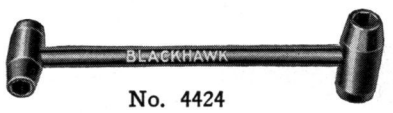
No. 4320

No. 4330

Quadruple Socket Offset

A stout fellow with four popular openings. Handy around any kind of car or machinery.

No.	Hexagon Socket Sizes	Stock Dia.	Length	Price
4424	1/2-9/16-5/8-3/4"	9/16"	10 1/2"	$0.95

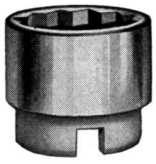


No. 4424

BLACKHAWK WRENCHES

Special Wrenches For Fords

No. 6618F



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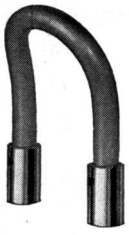

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No. 4002A

No. 2545

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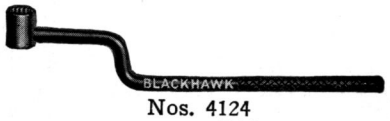

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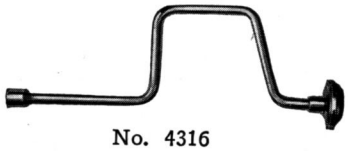
4018



No. 4316

No. 4021

V8 Connecting Rod Socket

SPECIAL thin wall socket with 9/16" double hex opening. 1/2" Square "Lock-On" Drive. Chromium plated.

No.
6618F— List Price $0.75

Special Fan Pulley Socket

Fits A, B, and 18. Fan pulley and starting jaw nut can be removed without dismounting radiator. ¾" square drive plus slotted drive for use with crank handle. 1⅜" double Hex opening. Chromium plated.

No.
8563XN—List Price $1.25

Valve Grinder Attachment

4002A— List Price $0.40

Main Bearing Bolt Holder for V-8

U-shaped handle with two "Lock-On" sockets, $\frac{9}{16}$" double square for holding main bearing bolts while nuts are adjusted. Because of extreme thinness necessary in sockets, they are not guaranteed against breakage. Chrome vanadium steel — chromium plated.

No.
8118F—Sockets. List Price Each $0.85
8564— U-Handle. List Price 1.10
8565—Complete Tool with handle and two sockets. List Price..... 2.80

Water Pump Spanner

Used on packing nuts on models A, AA, B and AAB.

No.
2545—List Price $1.00

Drain and Filler Plug Wrench

For motor drain plugs, transmission drain and filler plugs, and differential drain and filler plugs. Openings—$\frac{15}{16}$" hex, $\frac{9}{16}$" double square, and $\frac{13}{32}$" male square plug. Overall length 10".

No.
4213— List Price $1.60

Brake Adjusting Wrench

New style box type design. Double Square openings, $\frac{7}{16}$" and ½". Used on all model Ford cars and trucks.

No.
4016— Chromium finish. List Price $1.75

Main Bearing Wrenches

No.
4124—For models A, AA, B, AAB, and 18. Has ¾" Hex opening. Cadmium finish. List Price $1.00
4018— For front and center bearings on models T, A, AA, B and AAB. $\frac{9}{16}$" square opening. Cadmium finish. List Price..... 1.00

Oil Pan Wrench

Speeder type with ½" hex opening. For models A, AA, B, AAB, & 18.

No.
4316—Cadmium finish. List Price $1.00

Cylinder and Spark Plug Wrench

For models A, AA, B, AAB, and 18. Has 1⅛" and $\frac{11}{16}$" hex openings.

No.
4236— Cadmium finish. List price $0.70

Connecting Rod Wrench

For models A, AA, B, and AAB. Has $\frac{3}{32}$" Hex opening.

No.
4021— Cadmium finish. List Price $0.75

Spark Plug Sockets

No. For all model Ford cars and trucks.
3731—Sizes $\frac{15}{16}$"-1⅛" Pressed Steel Socket including handle. List Price $0.60
8936— Chromium plated, 1⅛" Double Hex. ½" Square Lock-On Drive. List Price 1.75
8932— Same as above. 1" Double Hex. List Price 1.55

Truck Rear Axle Nut Sockets

No.
60058— For rear axle nuts on model AA and AAB trucks. $1\frac{13}{16}$" Double Hex, ¾" Square "Lock-On" Drive. List Price....$2.75
60056—For Dual Wheels. 1¾" Double Hex, ¾" Square "Lock-On" Drive. List Price 2.50

Liberal Discount to Dealers and Mechanics

Special Wrenches For Chevrolets

Brake Adjusting Socket

HAS special socket opening to adjust brakes on four cylinder Chevrolets. 1/2" square drive. Cadmium finish.

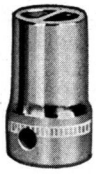
No.
412—List Price each $0.35

No. 412

Oil Pan Socket

Screw driver socket to fit all Chevrolet oil pans. 3/8" square lock-on drive. Chromium finish.

No.
8513S— List Price each $1.10



No. 8513S

Spark Plug Wrenches

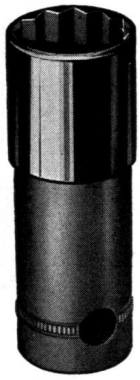
A complete series at all prices to fit spark plugs on all models.

For 1932 Models

No.
8932— 1" opening. 1/2" square Drive. Chromium plated. List Price... $1.55
3329— 1" opening. Pressed steel. Cadmium plated. List Price.... .60

For 1933, 1934, 1935 & 1936 Models

8926— 13/16" opening. 1/2" sq. Lock-On Drive. Chromium Plated. List Price 1.40
3327— 13/16" opening. Pressed steel. Cadmium plated. List Price... .60



Nos. 8926
8932

Rear Axle Nut Sockets

Make easy work of removing and setting the rear axle nut — a tough job without a socket of this kind.

All the following sockets have the 3/4" square Lock-On Drive.

For 1932 Model Cars

No.
60038—1 3/16" opening. List Price $1.25

For 1931 Model Cars

60034—1 1/16" opening. List Price 1.25

For 1928-29 Trucks

60046—1 7/16" opening. List Price 1.75

For 1930 Trucks

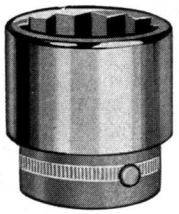
60048—1 1/2" opening. List Price 1.75

For 1931-32-33 Trucks

60058—1 13/16" opening. List Price 2.75

For 1934, 1935 & 1936 Trucks

60064—2" opening. List Price 3.40



Axle Nut Sockets

Steering Column Adjustment Spanner

Here's a wrench for quick adjustment on all six cylinder steering columns.

No.
2545— List Price $1.00

No. 2545

Water Pump Wrench

For all six cylinder models.

No.
1232A—1 1/2" opening. List Price $1.35

No. 1232A

Main Bearing Wrenches

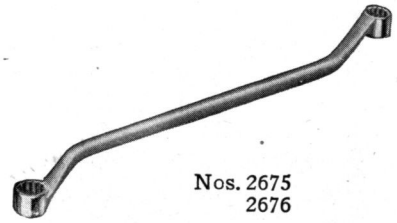
For 1933, 1934, 1935 & 1936 Model Cars

Every mechanic needs this special wrench to sneak in on the main bearing bolts. Sockets are long with thin walls to reach deeply recessed bearing caps.

No.
2676— Opening 11/16" and 3/4". Length 14 1/2". List Price..... $2.60

For Previous 6 Cylinder Models

2675— Opening 5/8" and 3/4". Length 14 1/2". List Price..... $2.60



Nos. 2675
2676

For Four Cylinder Cars

Here's a wrench with 13/16" opening on the box end and 13/16" on the socket end that's a dandy for main bearings on the four cylinder "Chevie". Offset just right to do the job in short order.

No.
4926— List Price $1.60

No. 4926

BLACKHAWK WRENCHES

Chrome Vanadium-Cadmium Plated Lubrication Service Tools

Notice—the jaw adjustment sleeve is away from grip handle. Not affected by pulling or twisting grip.

The "Adjusto"

No. 151

A new lubrication service tool adjustable to fit all drain plugs, square or hex, male or female.

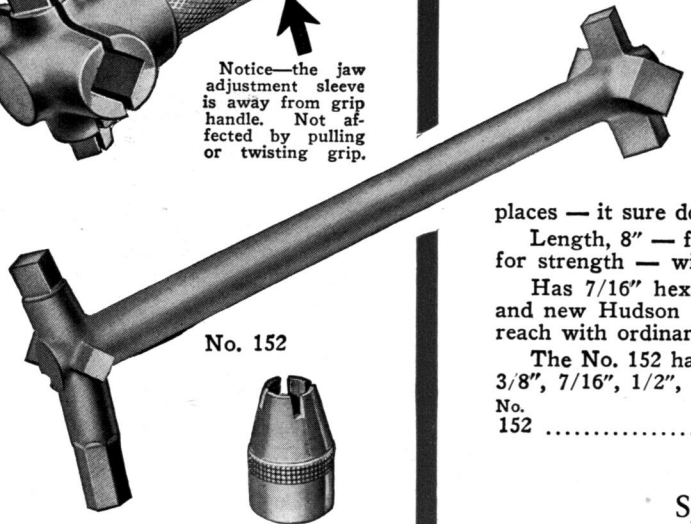
Can be used universally on all transmissions, differentials, shock absorbers, gasoline tanks, and vacuum tank drain and filler plugs.

It's new and unique — jaws are adjusted by a twist of the thumb on knurled sleeve — not the handle grip as with ordinary drain plug wrenches. Jaw adjustment is not affected by pulling or twisting the grip.

Comfortable, knurled grip — practical length 9" — chrome vanadium steel — cadmium plated.

Adjustable sockets and plugs to fit — hex male plugs, 7/16" to 1-1/2"; square male plugs, 3/16" to 1-1/4"; square female openings, 5/16" to 1".

No. 151 ..... List Price, $3.75



No. 152

The "Multi-Plug"

No. 152

A one-piece lubrication service tool — handy and compact — to fit practically all female plugs on every car.

It's a dandy — built to sneak into odd places — it sure does the job in short order.

Length, 8" — forged of chrome nickel steel — heat treated for strength — with cadmium plated finish.

Has 7/16" hexagon lug and 11/32" square to fit both old and new Hudson Essex clutch drain plugs — a mean one to reach with ordinary tools, but a snap for the Multi-Plug.

The No. 152 has the following sized plugs — 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8" square, and 7/16" hexagon.

No. 152 ..... List Price, $2.00

No. 414

Special Alemite Socket

Makes an easy job of installing and removing Alemite fittings of all kinds. Fits standard 1/2" square drive handles.

No. 414 ..... List Price, $0.45

No. 150 "Hexet" Set

No. 150 "Hexet" Set

Here's a set you can be proud to sell every one of your dealers. The "Hexet" No. 150 set contains six hexagon sockets and one combination offset and extension handle packed in shiny black steel case. ½" hexagon drive.

All sockets properly heat-treated. An ideal set for the man who loves to tinker around his car. Note the attractive display counter for dealers — holds 6 sets — makes sales easy.

No. 150 "Hexet" Set Contains:

One each Offset Handle, 7-1/2" long; Hexagon Sockets, 1/2", 9/16", 5/8", 11/16", 3/4" and 7/8". (1/2" Hexagon Drive).

No. 150 "Hexet" Set ..... List Price, $1.25

Liberal Discount to Dealers and Mechanics

Chrome Vanadium - Chromium Plated Brake Wrenches and Sets

BLACKHAWK WRENCHES

Brake Wrench Sets

NO MECHANIC can resist this fine complete set of brake tools to service every car. Fourteen wrenches of all types packed in a sturdy metal case. Take it right on the job — every tool is there, and ready to do it's job. It contains one each Nos. 2534, 2537A, 2526B, 2526, 2526A, 426, 2561, 1731BR, 1034BR, 1735BR, **4016,** 2103, 2581, and 2583.

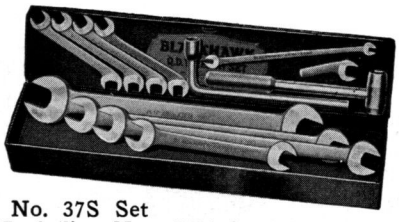
No.
37S — Complete, in metal case. List Price..... **$33.90**

37CB— Complete, in cardboard box. List Price..... **31.15**

Smaller set than above. Contains one each Nos. 2526, 2534, 2535, 2536, 2537, 2538, 2539, 2541, 2542.

No.
35CB— Complete, in cardboard box. List Price $13.55

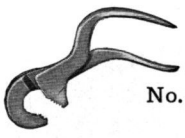
35LR— Complete, in leatherette roll. List Price 15.05



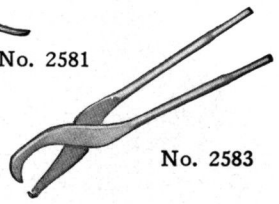
No. 37S Set
Including Nos. 2581 & 2583

Steel-Draulic Brake Pliers

No.
2581— Fits all Steel-Draulic Brakes. Overall length 5¼". List Price. $2.25



No. 2581



No. 2583

Brake Spring Pliers

No.
2583— For removing and replacing internal brake springs. Length 12½". List Price $2.95

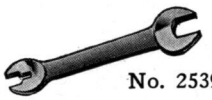
Nos. 2534—2536

For General Brake Servicing

No.	Opening in 22½° End, In.	Opening in 60° End, In.	Length, In.	Application	List Price
2526	5/8	5/8	6¼	Lockheed	$1.40
2526A	9/16	9/16	6¼	General	1.40
2526B	11/16	11/16	6¼	General	1.40
2537	½	9/16	6¼	La Salle	1.40
2537A	7/16	½	6¼	External Mechanical	1.40
2538	9/16	½	6¼	La Salle	1.40

No. 2526 Series

No. 2542



No. 2539

Chrysler Cars

No.	Opening	Length	Thickness	List Price
2534	5/8"	3 1/16"	7/32"	$0.90

Chevrolet

2542	5/8"-¾"	7½"	7/32"	$1.50

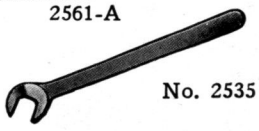
Bendix Brakes

2539	¼"-½"-¾"	7"	5/16"	$1.80

For Eccentric Cam on Bendix Internal

2561	3/16"-¼"	9"	7/32"	$1.80
2561-A	5/16"-3/8"	9"	7/32"	1.80

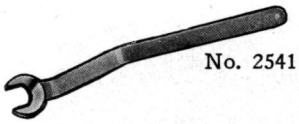
Nos. 2561
2561-A



No. 2535

Dodge

2535	7/8"	9"	3/16"	$1.50



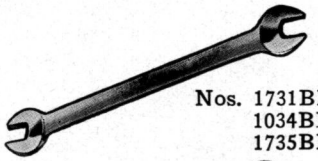
No. 2541

Cadillac, La Salle, Etc.

426	¾"-7/8"	9"	7/32"	$0.90

Studebaker Cars

2536	7/8"	4 7/8"	7/32"	$1.25
2541	7/8"	10"	7/32"	2.40

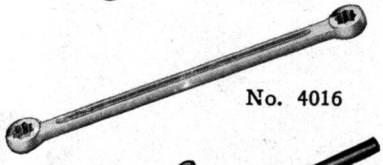


Nos. 1731BR
1034BR
1735BR

Specials

Special wrenches for Lockheeds, Hydraulics, Bendix, and other mechanical brakes.

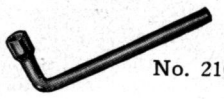
1731BR	¾"-7/8"	15"	3/8"	$3.75
1034BR	15/16"-1 1/16"	16"	17/32"	5.00
1735BR	1"-1 1/8"	16"	½"	5.00



No. 4016

Ford (Cadmium Finish)

4016	7/16" - ½ Double Sq.	10½"	.....	**$1.75**



No. 2103

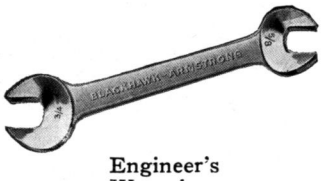
Bendix and Steeldraulic Internal

2103	9/16" Hex	9"	2½" Offset	$1.25

Liberal Discount to Dealers and Mechanics

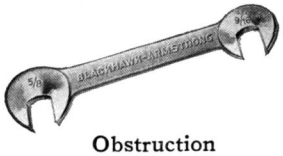
BLACKHAWK ARMSTRONG

Chrome Vanadium - Chromium Plated Open-End Wrenches and Sets



Engineer's Wrenches

No. 26LR Set



Obstruction Wrenches

No. 2005LR Set

Engineer's Wrenches

HANDY wherever there's a tough nut to turn on cars — trucks — tractors — farm implements — or industrial equipment. Tough as only chrome vanadium can make them.

Number	Openings Inches	Extreme Length Inches	Thickness Heads Inches	List Price
1020	1/4 & 5/16	3	5/32	$0.45
1721	5/16 & 3/8	5 1/2	13/64	.50
1021	5/16 & 13/32	5 1/2	13/64	.50
1722	5/16 & 7/16	5 1/2	13/64	.50
1723	3/8 & 7/16	5 1/2	13/64	.50
1022	5/16 & 1/2	6	3/32	.60
1023	13/32 & 1/2	6	7/32	.60
1723A	3/8 & 1/2	6	7/32	.60
1024	13/32 & 15/32	6 1/2	1/4	.70
1725	7/16 & 1/2	6 1/2	1/4	.70
1725A	7/16 & 9/16	6 1/2	1/4	.70
1725B	1/2 & 9/16	6 1/2	1/4	.70
1025	1/2 & 15/32	6 1/2	1/4	.70
1726	1/2 & 5/8	7	9/32	.85
1026	1/2 & 11/16	7	9/32	.85
1727	9/16 & 5/8	7	9/32	.85
1027	19/32 & 11/16	7	9/32	.85
1027C	9/16 & 11/16	7	9/32	.85
1728	9/16 & 3/4	8	5/16	1.05
1028	19/32 & 25/32	8	5/16	1.05
1028S	5/8 & 25/32	8	5/16	1.05
1729	5/8 & 3/4	8	5/16	1.05
1029	11/16 & 25/32	8	5/16	1.05
1030	11/16 & 7/8	8	5/16	1.05
1731	3/4 & 13/16	9 1/2	3/8	1.40
1731A	3/4 & 7/8	9 1/2	3/8	1.40
1031	25/32 & 7/8	9 1/2	3/8	1.40
1731B	13/16 & 7/8	9 1/2	3/8	1.40
1032	25/32 & 31/32	9 1/2	3/8	1.40
1033A	7/8 & 15/16	9 1/2	3/8	1.40
1033	7/8 & 31/32	9 1/2	3/8	1.40
1733	7/8 & 1	10 3/4	7/16	1.90
1033C	15/16 & 1	10 3/4	7/16	1.90
1034	7/8 & 1 1/16	10 3/4	7/16	1.90
1734	7/8 & 1 1/8	10 3/4	7/16	1.90
1035	31/32 & 1 1/16	10 3/4	7/16	1.90
1735	1 & 1 1/8	12 1/4	1/2	2.65
1036	31/32 & 1 1/4	12 1/4	1/2	2.65
1736	1 & 1 1/4	12 1/4	1/2	2.65
1037	1 1/16 & 1 1/4	12 1/4	1/2	2.65
1737	1 1/8 & 1 1/4	12 1/4	1/2	2.65

Engineer's Wrench Sets

Contain one each Nos. 1723, 1025, 1027C, 1028S, 1731A and 1033C.

No. 26CB— In Cardboard Box .....List Price **$6.40**
No. 26LR— In Leatherette Roll .....List Price **7.25**

Obstruction Wrenches

Have openings on same side. Sneak into hard-to-get-places, and do the job where others fail. Openings at 85° angle.

2721	5/16 & 3/8	4 1/4	13/64	$0.50
2021	5/16 & 13/32	4 1/4	13/64	.50
2722	5/16 & 7/16	4 1/4	13/64	.50
2723	3/8 & 7/16	4 1/4	13/64	.50
2022	5/16 & 1/2	4 3/4	13/64	.60
2023	13/32 & 1/2	4 3/4	13/64	.60
2723A	3/8 & 1/2	4 3/4	13/64	.60
2024	13/32 & 15/32	5 1/2	15/64	.70
2725	7/16 & 1/2	5 1/2	15/64	.70
2725A	7/16 & 9/16	5 1/2	15/64	.70
2725B	1/2 & 9/16	5 1/2	15/64	.70
2025	1/2 & 15/32	5 1/2	15/64	.70
2726	1/2 & 5/8	6 1/2	17/64	.85
2026	1/2 & 11/16	6 1/2	17/64	.85
2727	9/16 & 5/8	6 1/2	17/64	.85
2027	19/32 & 11/16	6 1/2	17/64	.85
2027C	9/16 & 11/16	6 1/2	17/64	.85
2728	9/16 & 3/4	7 3/4	9/32	1.05
2028	19/32 & 25/32	7 3/4	9/32	1.05
2028S	5/8 & 25/32	7 3/4	9/32	1.05
2729	5/8 & 3/4	7 3/4	9/32	1.05
2029	11/16 & 25/32	7 3/4	9/32	1.05
2030	11/16 & 7/8	7 3/4	9/32	1.05
2731	3/4 & 13/16	9 1/4	23/64	1.40
2731A	3/4 & 7/8	9 1/4	23/64	1.40
2031	25/32 & 7/8	9 1/4	23/64	1.40
2731B	13/16 & 7/8	9 1/4	23/64	1.40
2032	25/32 & 31/32	9 1/4	23/64	1.40
2033A	7/8 & 15/16	9 1/4	23/64	1.40
2033	7/8 & 31/32	9 1/4	23/64	1.40

Obstruction Wrench Sets

Contain one each Nos. 2723, 2025, 2027C, 2028S, and 2731A.

No. 2005CB— In Cardboard Box .....List Price **$4.50**
No. 2005LR— In Leatherette Roll .....List Price **5.30**

Note:—See page 40 for Wrench Reference Table.

Liberal Discount to Dealers and Mechanics

Economy Series Tappet Wrenches

A FINE series of reasonably priced tappets, welcomed by every mechanic. Long and thin — they slip in easily where clearance is small. Forged of the best alloy steel — and chromium plated. Openings at 15° angle.

No.	Milled Openings	Length	Thickness of Head	List Price
420	7/16" & 17/32"	8"	5/32"	$0.65
422	1/2" & 9/16"	8"	5/32"	.70
424	5/8" & 11/16"	8 1/2"	3/16"	.75
426	3/4" & 7/8"	9"	7/32"	.90

Economy Tappet Set

Contains two each Nos. 422, 424, 426.

No.
22CB— In Cardboard Box. List Price $4.70
22LR— In Leatherette Roll. List Price 5.40

Regular Series Tappet Wrenches

The length of these dandy wrenches allows extreme leverage, and makes tappet adjustment possible while motor is hot. Thin as a coin — but tough as a crowbar. Nothing beats this series.

Two styles provided:

(1) Both ends milled with same openings.
(2) Different sized openings on same wrench.

One end offset at 22½° angle — other straight.

Perfect balance and design makes it easy to use three at once while adjusting tappets — two may be worked as a scissors in one hand, and a third in the other.

401	3/8"	8"	5/32"	$0.65
401A	7/16"	8"	5/32"	.65
402	1/2"	8 1/2"	5/32"	.65
402A	17/32"	8 1/2"	5/32"	.65
403	9/16"	8 1/2"	5/32"	.65
403A	19/32"	8 1/2"	5/32"	.65
404	5/8"	8 1/2"	3/16"	.70
404A	21/32"	8 1/2"	3/16"	.70
405	11/16"	8 1/2"	3/16"	.70
406	3/4"	9"	7/32"	.75
406A	25/32"	9"	7/32"	.75
407	13/16"	9"	7/32"	.75
407A	7/8"	9"	7/32"	.75
408	15/16"	9"	7/32"	.90
408A	31/32"	9"	7/32"	.90
409	1"	9"	7/32"	.90
402B	Straight End 1/2" & 9/16" Angle End	8 1/2"	5/32"	$0.65
402C	Straight End 9/16" & 1/2" Angle End	8 1/2"	5/32"	.65
404B	Straight End 5/8" & 11/16" Angle End	8 1/2"	3/16"	.70
404C	Straight End 11/16" & 5/8" Angle End	8 1/2"	3/16"	.70
406B	Straight End 3/4" & 7/8" Angle End	9"	7/32"	.75
406C	Straight End 7/8" & 3/4" Angle End	9"	7/32"	.75

Tappet Wrench Sets
Nos. 412CB and 412LR

Contain two each Nos. 402, 403, 404 and 405. These wrenches have same sized opening on each end.

No.
412CB—In Cardboard Box. List Price $5.40
412LR—In Leatherette Roll. List Price 6.20

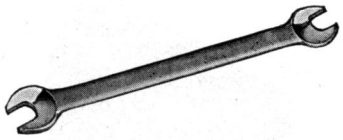
Nos. 400CB and 400LR

Smaller set than above, but with more sizes. Wrenches have different sized openings on each end.

Contain one each Nos. 402B, 402C, 404B, 404C, 406B, 406C.

No.
400CB—In Cardboard Box. List Price $4.20
400LR—In Leatherette Roll. List Price 4.90

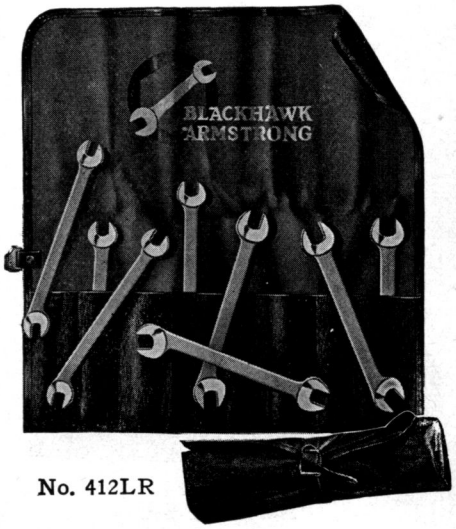
Note:—See page 40 for Wrench Reference Table.



Economy Series Tappets

No. 22LR Set

Regular Series Tappets



No. 412LR

BLACKHAWK ARMSTRONG

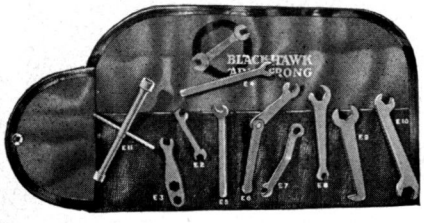
Chrome Vanadium - Chromium Plated Open End Wrenches and Sets

No. 20LR Set

No. 2545

No. 1224 Series

"S" Wrenches
No. 1075 Series



No. 18LR Set

Miniature Wrenches and Sets

THESE Miniature Wrenches take the fight out of stubborn baby nuts. Ideal for every small delicate job.

No.	Milled Opening In.	Length In.	Thickness of Head In.	List Price
H-10	3/16 & 7/32	2 1/2	3/32	$0.45
H-12	1/4 & 9/32	3	3/32	.45
H-14	5/16 & 11/32	3 3/4	3/16	.50
H-16	3/8 & 7/16	4 1/8	7/32	.50
H-18	13/32 & 15/32	4 1/8	7/32	.50

No. 20CB— One each of above. In Cardboard Box. List Price. **$2.40**
No. 20LR— One each of above. In Leatherette Roll. List Price.. **2.80**

Water Pump Wrenches

SPANNER—Here's a new Water Pump Spanner Wrench that makes an easy job of adjusting Water Pumps on Fords, 1933 Pontiacs, and Chrysler models 75 and 80.

No. 2545—List Price **$1.00**

OPEN ENDS—Designed especially for adjusting Water Pump packing nuts — very thin with short stroke.

1224	3/4	7	1/4	$1.35
1224A	1 1/8	7	1/4	1.35
1226	1 3/16	7	1/4	1.35
1228	7/8	7	1/4	1.35
1230	15/16	7	1/4	1.35
1232	1	7	1/4	1.35
1232A	1 1/32	7	1/4	1.35
1234	1 1/16	7	1/4	1.35
1236S	1 5/16	7	1/4	1.35
1238	1 3/16	7	1/4	1.35
1240	1 1/4	7	1/4	1.35
1244	1 3/8	7 3/4	9/32	1.50
1246	1 7/16	7 3/4	9/32	1.50
1248	1 1/2	7 3/4	9/32	1.50
1250	1 9/16	7 3/4	9/32	1.50
1252	1 5/8	7 3/4	9/32	1.50
1256	1 3/4	7 3/4	9/32	1.85

"S" Wrenches

1075B	3/8 & 7/16	6 1/4	1/4	$0.80
1075A	3/4 & 1/2	6 1/4	1/4	.80
1075	11/32 & 1/2	6 1/4	1/4	.80
1077S	7/16 & 1/2	7 1/4	9/32	1.00
1077B	1/2 & 9/16	7 1/4	9/32	1.00
1077	1/2 & 5/8	7 1/4	9/32	1.00
1079B	9/16 & 19/32	8 1/4	5/16	1.20
1079S	9/16 & 5/8	8 1/4	5/16	1.20
1079A	9/16 & 11/16	8 1/4	5/16	1.20
1079	5/8 & 11/16	8 1/4	5/16	1.20
1079C	5/8 & 3/4	8 1/4	5/16	1.20
1081	11/16 & 27/32	9 1/4	3/8	1.50
1081B	3/4 & 13/16	9 1/4	3/8	1.50
1081A	3/4 & 7/8	9 1/4	3/8	1.50
1083	27/32 & 15/16	10 3/8	7/16	1.95
1083B	7/8 & 1	10 3/8	7/16	1.95
1083A	15/16 & 1	10 3/8	7/16	1.95
1085	1 & 1 1/8	12	1/2	2.75
1085C	1 1/16 & 1 1/4	12	1/2	2.75
1085B	1 1/8 & 1 1/4	12	1/2	2.75

Ignition Wrenches and Sets

These tools meet with the approval of Ignition experts. All tools shown are neatly contained in the two-tone gray-green leatherette case.

No.	Size Opening Inches	Used For	Price
E-2	1/4 x 1/4	Northeast, Splitdorf & Bosch	$0.45
E-3	1/4 (11/32 & 9/32)	Eiseman	.45
E-4	5/16	Remy & Wagner	.45
E-5	5/16	Remy & Wagner	.45
E-6	5/16	Ford (Third Brush)	.75
E-7	7/32 (1/4)	Bosch (DU4 & DU6) Autolite	.60
E-8	7/32 & 7/16	Delco Remy	.60
E-9	1/2	Remy (Cam)	.60
E-10	3/8 & 13/32	Autolite (Generator)	.60
E-11	1/4 & 9/32	Bosch	.95

No. 18CB— One each of above. In Cardboard Box. List Price.... **$5.90**
No. 18LR— One each of above. In Leatherette Roll. List Price... **6.60**

Note:—See page 40 for Wrench Reference Table.

Bigger Open-End Wrench Profits Built with these Silent Salesmen

EASY sales of open-end wrenches are made with these attractive four-color display assortments. Keep them up-front, before the eyes of your customers — they attract attention, and do a 100% selling job. Larger turnover is assured.

No. 60B Board

A select assortment of Engineer's, Obstruction, and Tappet Wrenches. Ideal for dealers who carry a skeleton stock of the most popular numbers.

Size of Board — 21" wide, 59" high.

Contents of No. 60B Board

(Two (2) each of the following wrenches)

Engineer's Wr.	1727	2027C	422
1021	1729	2028S	424
1025	1731A	2723	426
1027C	1731B	2731A	
1028S		2731B	
1033C	Obstruction Wr.		Waterp'p. Pliers
1723	2021	Tappets	12002
1725B	2025	420	

No.
60B— Assortment of 46 Wrenches .....List Price $44.60

No. 70A Board

A de luxe assortment for the larger distributors. Size of board, 22" wide and 78" high.

Contents of No. 70A Board

(Two each of the following Wrenches)

Engineer's Wr.	1723A	2721	424
	1725	2723	426
1021	1725A	2723A	
1023	1725B	2725A	Miniature Wr.
1025	1727	2731A	H-10
1026	1728		H-12
1027	1729	Tappet Wr.	H-14
1027C	1731A	402	H-16
1028S		403	H-18
1029	Obstruction Wr.	404	
1033A	2025	405	Waterp'p. Pliers
1033C	2027C	420	H-1
1723	2028S	422	12002

No.
70A— Assortment of 84 Wrenches .....List Price $71.80

No. 43A Board

Tappet Wrench Display Assortment

Ideal for every Parts House, Automotive Supply, and Hardware Store. Contains a fast-selling assortment of tappet wrenches to service all cars.

Same attractive and colorful display value as larger boards, but smaller. Can't be beat for floor or counter.

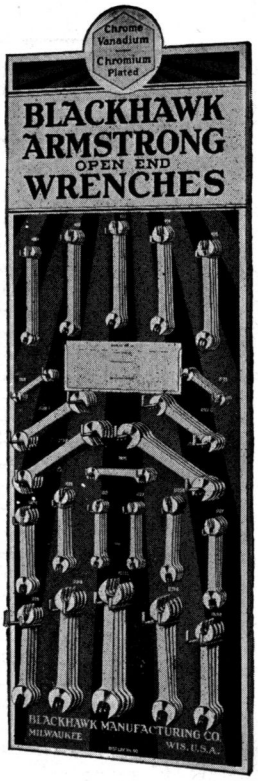
Size of board — 23" high and 16½" wide.

Contents of No. 43A Board

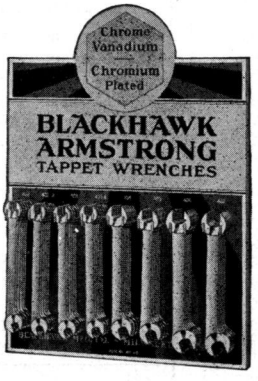
(Three each of the following Wrenches)

402	404	420	424
403	405	422	426

No.
43A— Assortment of 24 Wrenches .....List Price $17.10



Nos. 60B—70A Board



No. 43A Board

BLACKHAWK WRENCHES

Wrench and Socket Sizes For Bolts and Nuts

HEXAGON WRENCHES WILL FIT						To Order Wrenches Use Sizes in this Column	SQUARE WRENCHES WILL FIT				
U. S. S.		S.A.E.	American Std.		Mfrs. Std.		U.S.S.		U.S.S. or Amer. Std.	Amer. Std.	Mfrs. Std.
Bolts and Nuts	Cap Screws	Bolts and Nuts	Bolts and Nuts	Cap Screws	Bolt Heads	Nominal Size Over Flats	Bolts and Nuts	Cap Screws	Set Screws	Bolts and Nuts	Bolt Heads
			0 & 1			5/32				0 & 1	
			2 & 3			3/16				2 & 3	
						7/32					
			4			1/4				4	
1/8	1/8		5 & 6			5/16				5 & 6	
			8			11/32				8	
3/16	3/16		10			3/8			3/8	10	1/4
	1/4	1/4	12 & 1/4	1/4	1/4	7/16		5/16	7/16	12 & 1/4	
						15/32					5/16
1/4	5/16	5/16		5/16		1/2	1/4	3/8	1/2		
					5/16	17/32					
	3/8	3/8	5/16	3/8		9/16		7/16	9/16	5/16	3/8
5/16						19/32	5/16				
	7/16	7/16	3/8	7/16	3/8	5/8		1/2	5/8	3/8	
						21/32					7/16
3/8						11/16	3/8	9/16			
					7/16	23/32					
	1/2	1/2	7/16	1/2		3/4		5/8	3/4	7/16	1/2
7/16						25/32	7/16				
	9/16		1/2	9/16	1/2	13/16				1/2	
						27/32					9/16
1/2	5/8	9/16	9/16	5/8		7/8	1/2	3/4	7/8	9/16	
					9/16	29/32					
		5/8	5/8			15/16				5/8	5/8
9/16						31/32	9/16				
	3/4	11/16		3/4	5/8	1			1		
5/8		3/4				1 1/16	5/8				
	7/8		3/4	7/8		1 1/8				3/4	3/4
					3/4	1 3/16					
3/4	1	7/8				1 1/4	3/4	1	1 1/4		
			7/8	1		1 5/16				7/8	7/8
	1 1/8				7/8	1 3/8		1 1/8			
7/8		1				1 7/16	7/8				
	1 1/4		1	1 1/8		1 1/2			1 1/2	1	1
					1	1 9/16					
1	1 3/8	1 1/8				1 5/8	1				
			1 1/8	1 1/4		1 11/16				1 1/8	1 1/8
					1 1/8	1 3/4					
1 1/8		1 1/4				1 13/16	1 1/8				
			1 1/4			1 7/8				1 1/4	1 1/4
					1 1/4	1 15/16					
1 1/4		1 3/8				2	1 1/4				
						2 1/16					1 3/8
					1 3/8	2 1/8					
1 3/8		1 1/2				2 3/16	1 3/8				
			1 1/2			2 1/4				1 1/2	1 1/2
					1 1/2	2 5/16					
1 1/2						2 3/8	1 1/2				
						2 7/16					1 5/8
					1 5/8	2 1/2					
1 5/8						2 9/16	1 5/8				
			1 3/4			2 5/8				1 3/4	1 3/4
					1 3/4	2 11/16					
1 3/4						2 3/4	1 3/4				
						2 13/16					
					1 7/8	2 7/8					1 7/8
1 7/8						2 15/16	1 7/8				
			2			3				2	
					2	3 1/16					2
2						3 1/8	2				